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U. S. DEPARTMENT OF COMMERCE
WEATHER BUREAU

KEY TO METEOROLOGICAL RECORDS DOCUMENTATION NO. 5.21

**HISTORY
AND
CATALOGUE OF UPPER AIR DATA
FOR
THE PERIOD 1946-1960**



Acknowledgment

This publication represents the final report on a cooperative project by the U. S. Weather Bureau and the Design Climatology Branch, Aerospace Instrumentation Laboratory, Air Force Cambridge Research Laboratories, Office of Aerospace Research (United States Air Force) (Contract No. 680-770A-7628, Project 7628, Task 76296) The project was conceived by Dr. Arnold Court, formerly Chief, Applied Climatology Branch, Meteorological Development Laboratory, Geophysics Research Directorate, United States Air Force, and its success owes much to his interest and initiative.

U. S. DEPARTMENT OF COMMERCE
Luther H. Hodges, Secretary
WEATHER BUREAU
Robert M. White, Chief

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Washington, D.C. : 1964

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PREFACE

The Key To Meteorological Records Documentation Series has been established to provide guidance information to research personnel making use of climatological data. The publications in this series describe the historical sequence of changes in criteria for observing, recording, processing, and reproducing climatological data.

This bulletin describes the history of the routine radiosonde and rawinsonde observations of the U. S. Weather Bureau, U. S. Air Force, U. S. Army, U. S. Navy, and the Meteorological Service of Canada during the period 1946-1960. It includes descriptions of ground and flight equipment, times of observation, requirements for reduction of the data, transmission codes, recording forms, punched cards, published data, station networks, and detailed data for each station in the network. It is expected that future publications in this series will document the earlier phases of the upper air program, and the program since 1960.

The work included in this publication was accomplished during the period 1961-1962 under the leadership of Mr. Benjamin Ratner, Office of Climatology, U. S. Weather Bureau. The staff of the National Weather Records Center, Asheville, N. C., assembled the data for the tables and assisted in preparing the text. The material represents work largely completed by the late summer of 1963; publication was delayed, however, to permit clarification of details in the text and tables.

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Chapter I

INTRODUCTION

The United States has operated an upper air meteorological program continuously since 1907, starting in that year with a single kite station. The peak years of the kite network were between 1919 and 1925, with six stations in operation. Airplane observations (apobs) were started in 1925 and gradually replaced the kite program which by 1933 had ceased to exist.

Starting with one station in 1925, the apob program reached its zenith in 1937, at which time 30 stations were in operation. Apobs were superior to kites because they generally were taken to higher altitudes and were not hampered by calm wind conditions. However, they could not be taken during periods of unfavorable weather and had an altitude limitation of about 5 km.

After the introduction of the first radiosonde (raob) station in 1937, the raob network increased rapidly while the apob network decreased and finally was abandoned in 1943. By the end of 1960 the Weather Bureau had 138 raob stations in operation, extending in latitude practically from pole to pole, while other stations were being operated by the Air Force, the Army, and the Navy.

Upper air data have been summarized and published in many places and by various methods. From 1907 through 1945 statistics were customarily presented for levels of constant height above sea level, i.e., for intervals of 500 meters through 3000 meters, and for intervals of 1000 meters above. In 1946 the meteorological services of the United States and of other governments changed from a constant height to a constant pressure system. From that time, teletypewriter messages have indicated temperature, relative humidity or dew point, and height values at standard pressure surfaces, synoptic charts have been prepared for designated pressure surfaces, and data have been summarized and published for standard pressure surfaces. Due to the inherent difficulties in converting values from standard heights to standard pressures, it was decided to limit this documentation to the period January 1946 through December 1960, i.e., to start with the beginning of the constant pressure era.

This text is accompanied by a series of tables documenting U. S. Weather Bureau-Air Force-Navy (WBAN) routine radiosonde and rawinsonde observations made January 1, 1946 through December 31, 1960.

The text is arranged in 12 chapters, as listed in the table of contents. Chapters II and III describe ground and air-borne equipment, respectively. Chapter IV elaborates on the various components of the rawinsonde and Chapter V on scheduled times of observations. Chapter VI describes mandatory and significant levels and Chapter VII the contents and changes in recording forms. Chapter VIII explains the transmission codes used during this period, Chapter IX refers to data on punched cards, Chapter X to data published currently, Chapter XI describes the tables in the publication, and Chapter XII describes certain changes made subsequent to 1960.

The separate tables for each WBAN station give a chronology of ground equipment, number of observations per day, etc., and frequency of altitudes attained in terms of pressure levels. In addition, a chronology of stations operated by the Meteorological Service of Canada is provided.

Nomenclature generally accepted by the meteorological profession and accordingly used in this documentation is as follows:

Pibal--pilot balloon observation; an upper wind observation in which the balloon is tracked optically with the aid of a theodolite.

Raob--radiosonde observation; observation of pressure, temperature, and relative humidity from surface to point where balloon bursts.

Rawin--a winds aloft observation where tracking is done electronically.

Rawinsonde--an observation that combines the raob and rawin.

Rabal--an observation where the raob balloon is followed visually.

WBAN--Weather Bureau, Air Force-Army, Navy

Chapter II

TYPES OF GROUND EQUIPMENT

A. Radiosonde System

The 72.2 megacycle/second receiving equipment (radiosonde only) was used in the United States since the beginning of the raob program. This set consists of a dipole antenna, a short-wave receiver which receives an audiomodulated signal from the radiosonde transmitter, a frequency meter to measure and indicate the frequency variations of the signals received, and a recorder to record the signals that are received for temperature and humidity. These signals are recorded on a chart roll which is divided into 100 equal vertical divisions, or ordinates. With the use of these ordinates and the proper evaluators for the elements, temperatures in degrees Celsius and relative humidities in percent may be obtained. Pressure values are also derived (see Chapter IV-A). Under certain conditions, the raob balloon was tracked visually with the aid of a theodolite in order to obtain measurements of wind speed and direction. This type of observation (called "rabal") was possible only with clear skies and no obstructions to vision.

B. Rawinsonde Systems

1. General

Pilot balloon observations (pibals) were started by the Weather Bureau in 1918 with the establishment of five stations. The network grew until 1944, when 147 stations were in operation. Although the pibal program made possible the charting of winds aloft, this system was subject to certain deficiencies. For example, pibals could be taken only to the base of the lowest cloud, and the assumption of a constant rate of lift was not always accurate. As a consequence, when non-visual tracking equipment was made operational in about 1943, it soon began to replace the pibal observations at a good many stations. The first electronic wind tracking instrument in general use, the SCR-658 (Signal Corps Radio-direction-finder), enabled the observer to follow a balloon to great heights, regardless of cloud cover, and provided hypsometric data for determining the height of the balloon.

The Air Weather Service developed a new, improved, type of direction-finding equipment, and in about 1951 started using the GMD type (Ground Meteorological Direction-finding) which had the advantages of automatic tracking and self recording. The SCR-658 equipment was gradually replaced by the GMD instruments, or its Weather Bureau equivalent, the WBRT (Weather Bureau Radio Theodolite), until about the end of 1961 when all instrumentation had been changed to the newer systems. Both of these systems obtained simultaneous observations of pressure, temperature, relative humidity, and wind.

2. The SCR-658 System (manual tracking)

a. Description

The SCR-658 system made it possible to take rawinsonde observations under all types of weather conditions. However, accurate tracking was limited under certain conditions, as described in the next paragraph. The system first operated on a frequency of 397 megacycles/second and was later changed to 403 mc./sec., as assigned by the Federal Communications Commission. The radiosonde portion of these observations was recorded as described under "A" above. The wind data were obtained through the use of the SCR-658 radio-direction-finding device which consisted of an antenna that could be rotated on horizontal and vertical axes, and a radio receiver indicator.

Tracking was done manually by turning elevation and azimuth angle handwheels until the tops of each pair of pips on the left and right viewing mirrors were at the same level at the time of each reading and recording of the angles. In this matter, readings of elevation and azimuth angles were obtained for each minute.

b. Limiting angles

Although the SCR-658 was a tremendous improvement over the visually tracked pilot balloon observations, it was not considered accurate under certain angular conditions. Accordingly, a set of limiting angles was established, under which the data were not used. These, as well as additional limitations and dates of adoption are given below.

Wind data were considered doubtful and not used if,

(1) the elevation angle was 15° or less above the horizon or any prominent object on it,

(2) effective 11/1/46, elevation angle was less than 15° and/or azimuth angle within 10° of a prominent object. Narrow objects such as smoke stacks are not considered prominent.

(3) effective 3/1/50, elevation angle was less than 15° and/or azimuth angle within 10° of a prominent object subtending more than 3° in azimuth.

3. The GMD-1 System (automatic tracking) and modifications

a. Description

The GMD-1 (1680 mc./sec.) was first used by the military services in 1951, with its implementation at five stations, and increasing to about nine stations in 1952. The Weather Bureau first used GMD-1 equipment at the Silver Hill Observatory, Washington, D. C., in January 1953. The radiosonde portion of a GMD-1 observation is described under "A" above. The equipment for taking upper wind observations is a receiving type, automatic tracking, radio-direction-finding set (essentially an electronic theodolite and radiosonde receiver). Its directional antenna tracks a balloon-borne transmitter, with azimuth and elevation angles of the antenna being indicated on dials of the control-recorder. These angles may be recorded on a paper tape of the control-recorder at a selected rate (1 to 10 readings per minute), with time values indicating elapsed time since release of the balloon for computing winds aloft.

Subsequent modifications of the GMD-1 equipment are known as models GMD-1A and GMD-1B. Modification kits have been added to all existing sets so that all present equipment is essentially of the latest type. Accordingly, the GMD-1 heading used above and in the tables includes all equipment of this type.

b. Limiting angles for GMD equipment

The GMD equipment is considered superior to the SCR-658, but is still subject to angular limitations. These limitations and dates of amended instructions are:

(1) Data are not used when the elevation is less than 6° above the horizon or any prominent object on it.

(2) effective 3/2/54--Data are not used when the elevation is less than 6° above the horizon or any prominent object on it, and/or when the azimuth angle is within 6° of any object on the horizon.

(3) effective 11/15/57--an exception to rule (2), above--Readings are permitted to the edge of a tree or trees on the horizon.

4. The GMD-2 System

The GMD-2 is essentially a GMD-1 set combined with a transponder system, (See IV-A-5). It is similar to the GMD-1 in all respects but has the added capability of measuring slant range when used with a suitable airborne transmitter. GMD-2 equipment was installed at the following stations on approximately the indicated dates, but at this writing slant range measurements are not yet being made on a routine basis.

<u>Station</u>	<u>Installation date</u>
White Sands, N. Mex.	February 1960
Jallen Site, N. Mex.	February 1960
Stallion Site, N. Mex.	March 1960
Frye Site, N. Mex.	March 1960
Holloman, N. Mex.	May 1960
Cape Canaveral, Fla.	May 1960
<u>Down Range Stations</u>	
Grand Bahamas, BWI	December 1959
Eleuthera, BWI	December 1959 (closed September 1960)
San Salvador, BWI	December 1959
Grand Turk, BWI	February 1960
Ascension Island, Atlantic Ocean	September 1960

5. The WBRT System (Weather Bureau Radiotheodolite)

The radiotheodolite is the Weather Bureau equivalent of the GMD-1 system. It has the same operational characteristics and limiting angles as the military-developed GMD-1 systems. The radiotheodolite was first used during 1959 at three stations, and by 1960 had been installed at 35 stations. Adjuncts may be added to WBRTs to permit transponder-type operations; however, none had been added by the end of 1960.

C. Orientation of Equipment

Orientation of upper wind observation equipment, including the optical theodolite is basically as follows:

1. Weather Bureau stations orient azimuth angle to read 360° equals south (true direction).
2. The military services orient azimuth angle to read 360° equals north (true direction)
3. Wind data are evaluated by all U. S. services (Weather Bureau and the military services) so that directions indicated are those from which the wind is blowing, based on 360° equals north (true direction).

Chapter III

AIR-BORNE EQUIPMENT

A. Instruments

1. General

The radiosonde instrument is designed to provide measurements of pressure, temperature, and relative humidity, as it is being transported aloft in the atmosphere by a gas-filled balloon. Data are telemetered to receiving and recording equipment on the ground by a small battery-powered radio transmitter. First transmitters were operated on a carrier frequency of 72.2 mc./sec. These were used for sending radiosonde data only. In November 1945 the 397 mc./sec. transmitter (which was later changed to operate on 403 mc./sec.) was introduced for use in conjunction with the SCR-658 rawinsonde system, and in 1951 the 1680 mc./sec. transmitter was introduced for use with the GMD-1 and WBRT rawinsonde systems. The battery and transmitter of these instruments are enclosed in a thoroughly insulated weather-proof box, with sensing elements exposed to the atmosphere. The complete air-borne assembly, called the radiosonde or rawinsonde train, includes the balloon, parachute, and instrument. In early days, a ballast balloon, containing sand and inflated to burst near the middle of the flight, was used to regulate ascent rates. Train regulators are presently used to momentarily shorten the train to facilitate releases made during conditions of strong surface winds.

2. Instrument operation

In operation, a commutator composed of alternating silver contact strips and insulating segments is used to introduce the humidity and temperature elements into the circuit by means of a relay. A contact arm connected to the aneroid barometer cell accomplishes this by moving across the commutator as the pressure decreases with height. Temperature is transmitted whenever the contact arm is on an insulating segment, and humidity is transmitted when the arm is in contact with certain silver contact strips. Temperature and humidity changes in the atmosphere produce variations in the resistance of the respective circuits and cause the transmitted audio frequency to vary. A reference signal (low or high) replaces every fifth humidity contact. Thus, the position of the contact arm on the commutator can be easily determined and pressure may then be obtained by means of a calibration chart provided with each instrument. A contact begins at the base of the relative humidity or reference signal and ends with the completion of the following temperature signal on the recorder record.

3. Construction changes

In early radiosondes the elements were mounted in an open ventilation duct, but in 1946 the military services introduced an instrument in which the temperature element was removed from the ventilation duct and placed in the open. This is commonly referred to as the "outrigger" type. The humidity element remained in the shielded ventilation duct.

4. Hypsometers

The use of hypsometers to obtain more accurate pressure readings at high altitudes was begun at several military stations in early 1960. It is expected that a network of Weather Bureau stations will begin the use of hypsometers in the near future. For details of this equipment see Chapter IV-A-2.

B. Balloons

1. Balloon conditioning

Radiosondes (or rawinsondes) are carried aloft by means of free balloons that are filled with either helium or hydrogen. These are neoprene or latex balloons and require conditioning before being inflated in order to obtain flights to the highest possible level. Until 1954 the primary method of conditioning was to immerse the balloon in hot water for at least five minutes. A second method was to use direct heat by placing the balloon over a heater or in a box called a conditioning chamber. This box contained a light bulb in the lower half and the balloon was placed on a screened shelf above the light bulb compartment. With the door closed and the light on, conditioning took 30 minutes. In 1954 an electric balloon conditioner with heating elements in the bottom panels and a water pan in the floor of the conditioner was furnished to most stations and made it possible to combine both heat and moisture factors without immersing the balloon in water. Immersion of the balloon in a hot water bath became the secondary method.

2. Balloon sizes

Balloon sizes used during the period 1946-1960 are shown in the following table, with approximate average heights attained by each:

<u>Balloon Gram Weight</u>	<u>Use Began</u>	<u>Average Altitude Attained (km.)</u>	<u>Remarks</u>
350	*(WB), 1950 (M)	16-18 km.	
450	1947-1948 (WB)	18-20 km.	Special stations, as in hurricane
700	1950 (M) (WB)	20-22 km.	Special WB stations and some military
500	1948-1957 (M) (WB)	19-21 km.	
600	1957 (M) (WB)	25 km.	
800	1953 (M), 1956 (WB)	22-24 km.	Special purpose
1000)	1950	Not available	Used for tests and various special upper air studies but not put into regular service
1200)			
1800)			

* in use beginning of period

C. Attachments

1. Ballast balloons

The use of ballast balloons to reduce the ascensional rate of the balloon in the lower levels was made optional in May 1943 and was discontinued early in 1950.

2. Parachutes

Small parachutes were attached about 5 feet below the balloon and the instrument was attached about 50 feet below the parachute. The location of the parachute in the radiosonde train was changed in 1950 to midway between the balloon and the instrument in the 60-foot train. With the adoption of the 1680 mc./sec. instruments, the train was lengthened to about 120 feet. Parachutes are not used at coastal

and island stations unless the upper wind is expected to carry the radiosonde train inland.

3. Train regulators

Train regulators for use in high wind speeds were first used in September 1947. They permit temporary shortening of the radiosonde train at the time of release under high wind speed conditions and allow for normal train length shortly after release. This is accomplished through the weight of the radiosonde combined with the braking mechanism which permits a reel of cord to unwind at a rate of about five to six feet per minute after release.

Chapter IV

THE RAWINSONDE

A. Pressure

1. Aneroid cells

Aneroid cells provide the information necessary for pressure values. One side of the aneroid diaphragm is fixed to a rigid support and the other side of the expanding aneroid is engaged to a contact arm through a linkage system. As the radiosonde ascends through decreasing atmospheric pressure, the aneroid expansion causes the contact arm to move across a commutator. The position of the contact arm on the commutator is known by the number of the contact. The contact numbers are converted to pressure values by means of a calibration chart provided with each instrument. The aneroid also acts as a switching device through the operation of the contact arm crossing the temperature and humidity segments of each contact of the commutator.

2. Hypsometer elements

Hypsometer elements measure pressure by employing the relationship between the boiling point of a liquid and the atmospheric pressure. These are used at selected stations for high level (low pressure) measurements. The hypsometer consists of a bead thermistor wrapped in cotton and placed in a small thermos bottle. A plastic cap practically covers the top of the thermos and supports the thermistor and its lead wires. About 5 cc. of carbon disulfide are poured into the Dewar flask. In flight (at high levels) the boiling point of the liquid is maintained by the decrease in pressure of the ascending radiosonde. The use of the hypsometer makes it necessary for the commutator to have an additional circuit which, by means of another relay, connects the hypsometer to certain contacts beginning at the 106th contact (or about 40 to 30 millibars). Hypsometer values are read as ordinates, rather than contacts, and pressure is obtained from calibration charts with a pressure versus ordinate curve.

3. Pressure units used

Whole millibars are used as the pressure unit in computations and on all forms. However, when using the hypsometer, pressures are measured to tenths of millibars whenever the values are 10 mb. or less.

4. Heights of pressure surfaces

Heights of pressure surfaces are given in units of geopotential meters (0.98 dynamic meters) on all radiosonde forms. Heights on WBAN 31 forms are recorded using the complete height figure, while only the last four digits of height figures are shown on WBAN 33 forms. The radiosonde code heights of pressure surfaces are given in geopotential feet above M.S.L., using the thousands, hundreds, and tens digits.

5. Transponder radiosondes

The transponder radiosonde differs from the conventional instrument in that a radio receiver is added to intercept the ranging signal emitted from the GMD-2 or WBRT with transponder adjuncts, thus enabling the measurement of slant range. The military model omits sensors for pressure, but the Weather Bureau version retains the pressure elements.

B. Temperature

1. Temperature elements used

At the start of the raob program, glass tubes with electrolytic temperature elements were used. Beginning in 1943 temperature elements were made of a ceramic material, the resistance of which increases as the temperature decreases. Originally these elements were of a dark color. In February 1949 a smaller ceramic element was put into use to increase the speed of response to temperature changes. White-coated thermistors were tested by the military services in late 1945 and have been used by them since 1946. The Weather Bureau began using white-coated elements in September 1953 with military radiosonde instruments, but did not adopt the white-coated "outrigger" thermistors for general use until the middle of 1960.

2. Corrections (solar radiation)

Descent as well as ascent temperatures were computed for daytime soundings taken at Weather Bureau stations through 1949. If the descent temperature was 3° or more colder than the ascent at any point between 400 mb. and the top of the sounding, corrections based on the difference were applied to the ascent, which was considered the recorded temperature.

Effective March 1950, corrections were applied to all daytime temperatures between the 400-mb. and 10-mb. surfaces whenever the elevation of the sun was equal to or greater than -2.5°. Solar corrections were not made to temperatures at any time by the military services, and were discontinued by the Weather Bureau upon adoption of the white thermistors. The corrections applied were obtained from graphs using as arguments the ascensional rate of the balloon and elevation angle of the sun pertinent to the pressure level in question: (see sample figures 1A, 1B, and 1C).

C. Humidity

1. Lithium chloride

The relative humidity elements of raobs were first made with human hairs, but about 1943 a change was made to the lithium chloride element, which consists of a plastic strip with metalized edges and coated with lithium chloride. The resistance across the chemical film changes with variations in relative humidity and temperature. The effect of temperature is eliminated by the use of a special graph which determines relative humidity as a function of both temperature and relative humidity ordinates. This was the only type element used until November 1960 when the new carbon element came into use at a few military stations. It is expected that the Weather Bureau will place the carbon element in use at about thirty stations in the near future. Humidity elements are mounted in a ventilation chamber.

a. Motorboating

When ambient conditions of temperature and relative humidity are below established limits, the relative humidity record derived from the lithium chloride element cannot be evaluated. This condition is termed "motorboating" and is so-called because of the sound made by the speaker on the radiosonde receiver. If these low values of relative humidity are deleted from the record, the monthly mean values of relative humidity are biased towards the higher values. Accordingly, a series of estimated or statistical values have been established for use when "motorboating" is indicated. Curves of statistical values used are shown as figures 2A, 2B, and 2C. Figures 2A and 2B were both in use during the period January 1946-September 1948, depending on the instrument series used at a particular station at a given time. Table I

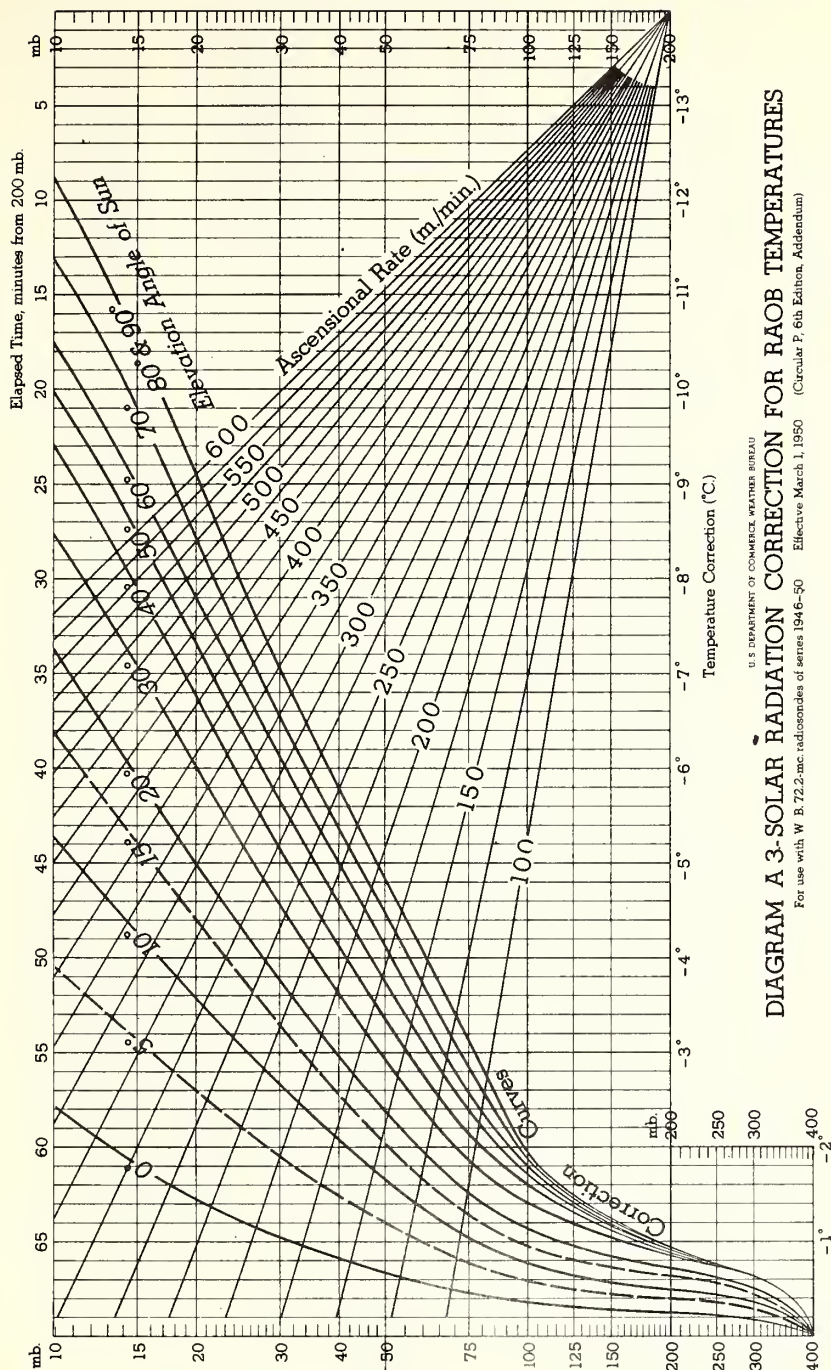


DIAGRAM A 3-SOLAR RADIATION CORRECTION FOR RAOB TEMPERATURES

U.S. DEPARTMENT OF COMMERCE WEATHER BUREAU

For use with W. B. 72.2-mc. radiosondes of series 1946-50 Effective March 1, 1950 (Circular P, 6th Edition, Addendum)

Figure 1 A

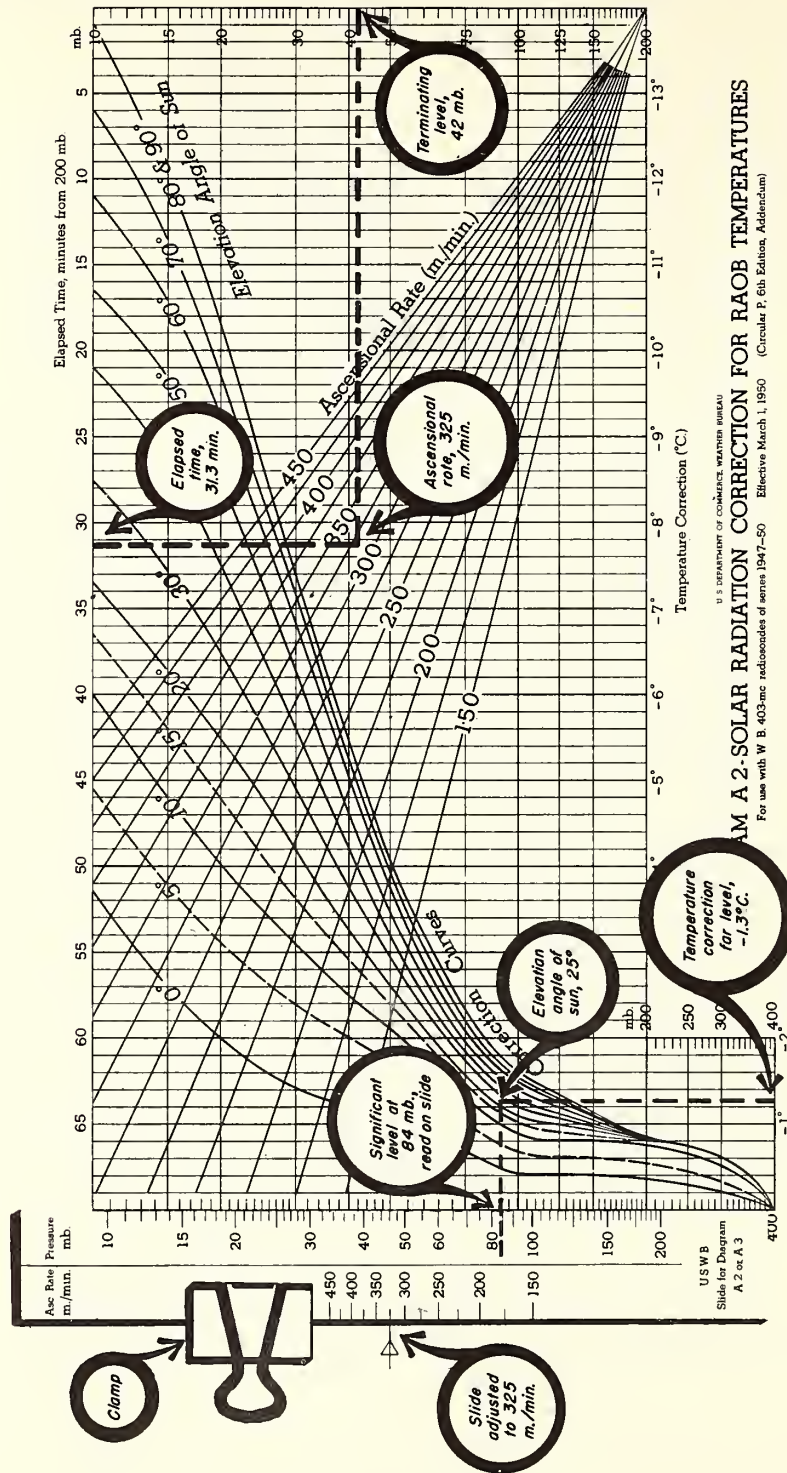


Fig. A1. Computation of ascensional rate and temperature corrections above 200 millibars.

Figure 1 B

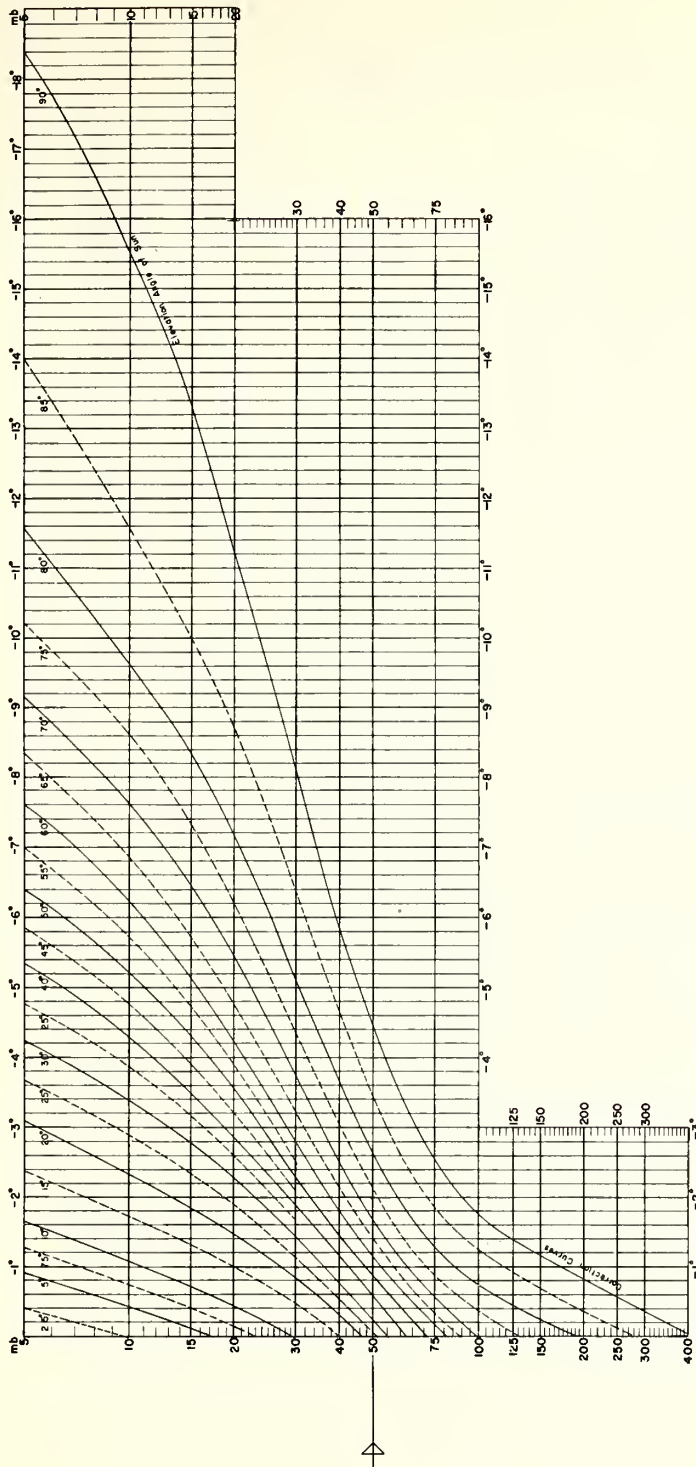


Figure 1 C

DIAGRAM 2 - SOLAR RADIATION CORRECTION FOR RAOB TEMPERATURES
(Weather Bureau 1680-mc. radiosonde)

STATISTICAL VALUES USED FOR MOTORBOATING RELATIVE HUMIDITIES (OVER ICE - JANUARY 1946-SEPTEMBER 1948)

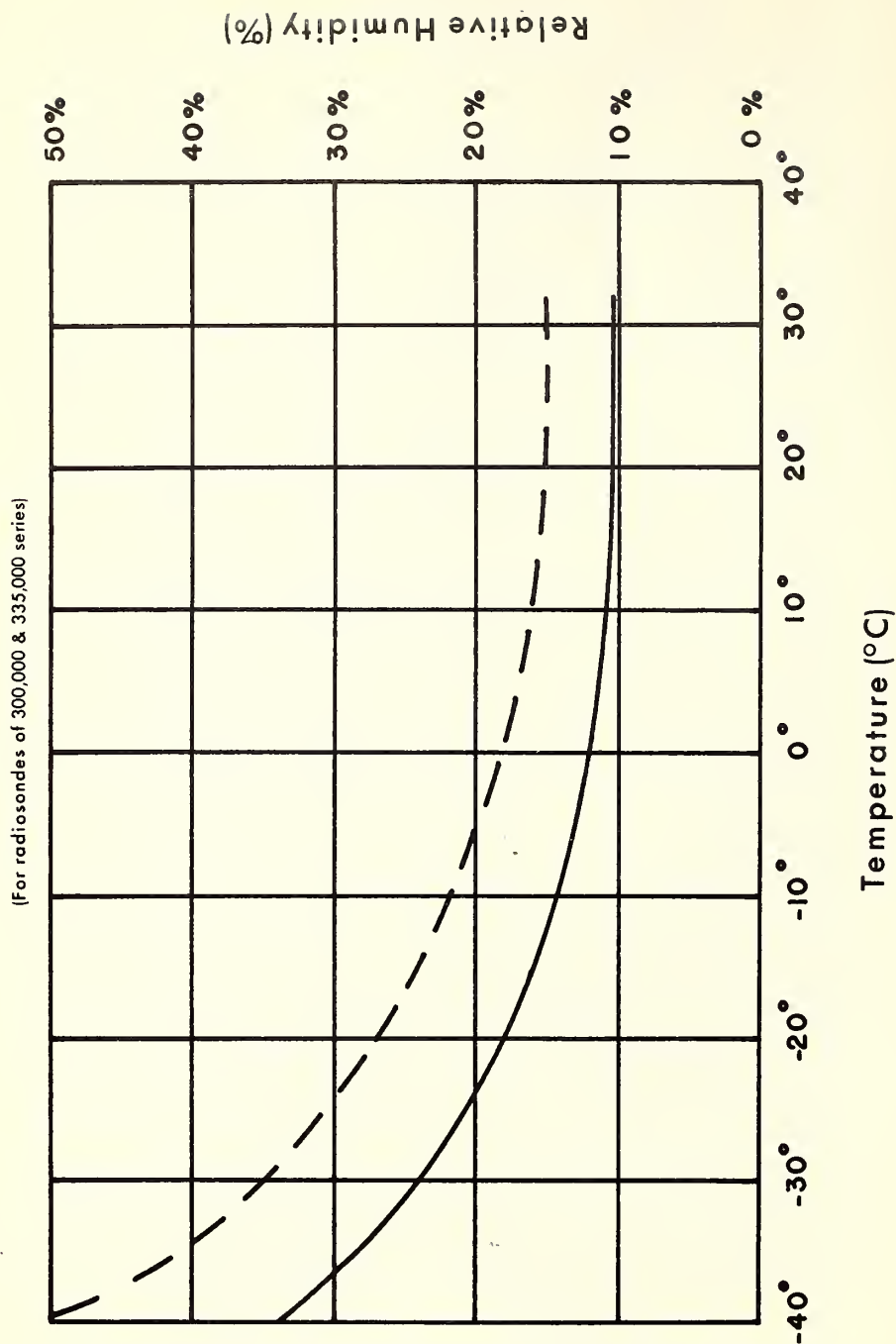


Figure 2 A

Dashed curve shows temperature-relative humidity combinations at which motorboating begins.

STATISTICAL VALUES USED FOR MOTORBOATING RELATIVE HUMIDITIES (OVER ICE - JANUARY 1946-SEPTEMBER 1948)

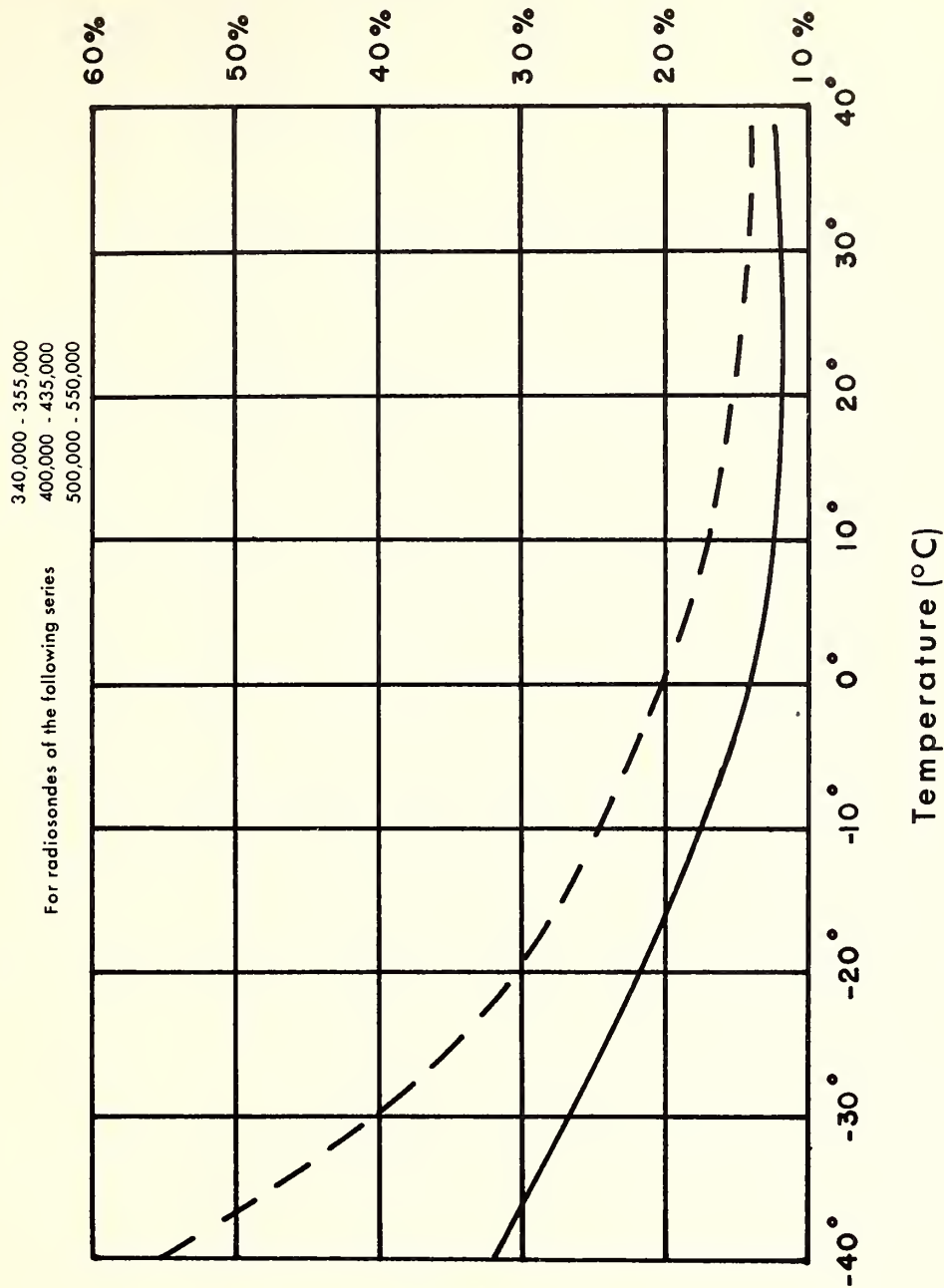


Figure 2 B

Dashed curve shows temperature-relative humidity combinations at which motorboating begins.

STATISTICAL VALUES USED FOR MOTORBOATING RELATIVE HUMIDITIES (OVER WATER - OCTOBER 1948-DECEMBER 1960)

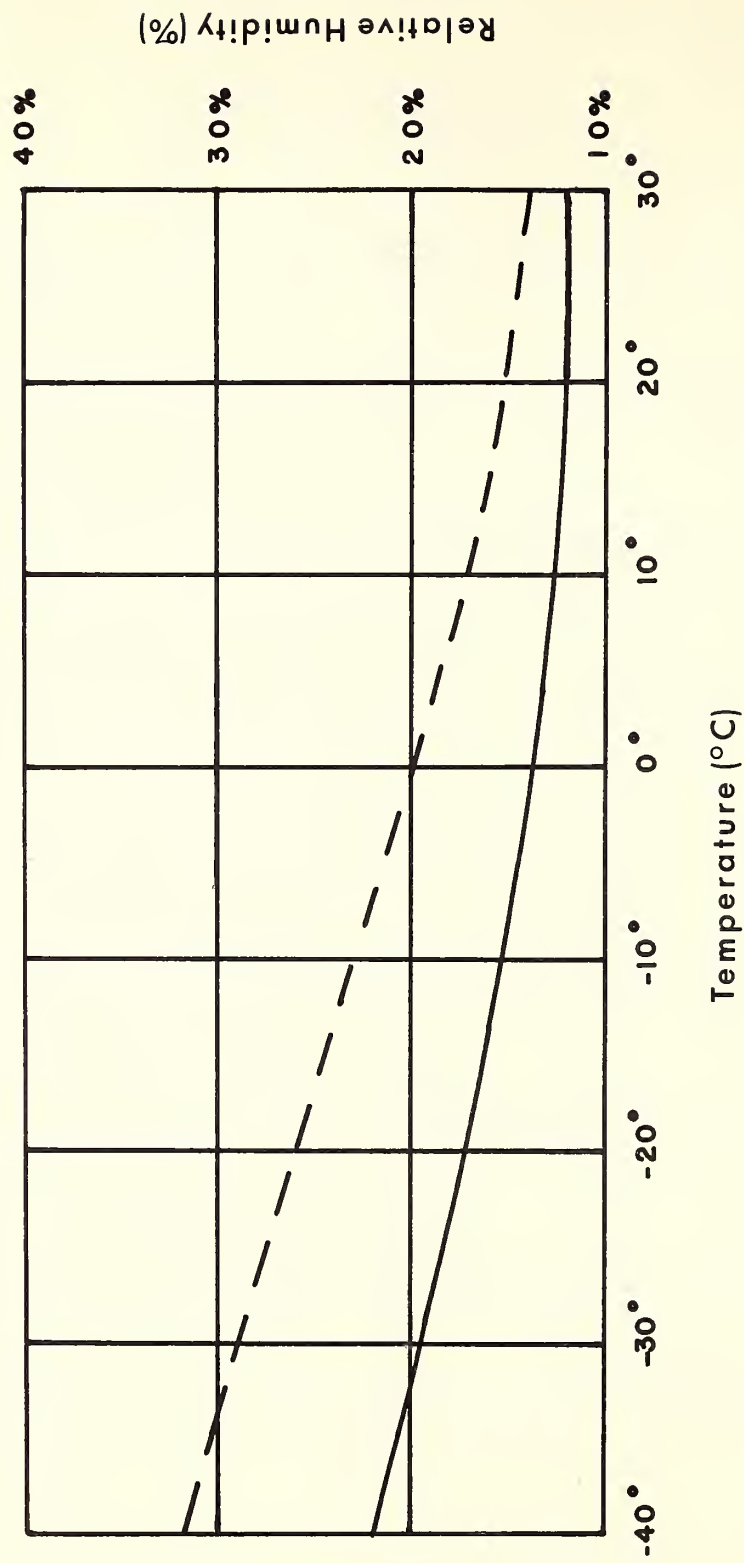


Figure 2 C

Dashed curve shows temperature-relative humidity combinations at which motorboating begins.

TABLE I

PERCENTAGE FREQUENCY OF STATISTICAL VALUES OF RELATIVE HUMIDITY
AT REPRESENTATIVE NETWORK OF STATIONS

	850 MB				700 MB				500 MB			
	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT
Miami, Florida	12	9	0	2	43	35	1	17	62	47	14	42
Lake Charles, Louisiana	21	11	1	9	40	28	4	30	53	49	28	56
El Paso, Texas	3	37	4	6	28	27	0	14	51	73	19	68
Cape Hatteras, North Carolina	17	7	2	12	39	33	15	25	46	54	39	49
Columbia, Missouri	13	2	1	9	23	21	14	30	37	42	47	49
Grand Junction, Colorado	0	5	12	6	8	5	14	8	28	26	21	34
Oakland, California	17	17	33	16	33	38	48	42	34	47	62	55
Nantucket, Massachusetts	12	8	3	16	25	29	24	33	43	38	42	52
Sault Ste. Marie, Michigan	6	5	1	6	15	25	16	18	30	28	40	32
Bismarck, North Dakota	2	3	1	4	17	18	7	18	32	33	43	36
Tatoosh Island, Washington	3	2	5	6	18	16	25	21	29	31	45	31
Anchorage, Alaska	8	2	0	7	21	11	1	18	32	24	19	28
AVERAGE	10	9	8	12	26	24	14	23	40	41	35	44
Combined Averages												
	400 MB				300 MB				MB			
	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	MB	JAN	APR	OCT
Miami, Florida	67	49	24	43	71	58	49	56	850	10	9	12
Lake Charles, Louisiana	53	57	44	57	56	58	63	61	700	26	24	23
El Paso, Texas	52	74	33	72	52	73	59	81	500	40	41	44
Cape Hatteras, North Carolina	45	56	43	51	32	54	54	61	400	44	47	50
Columbia, Missouri	49	52	57	57	38	40	68	65	300	34	43	66
Grand Junction, Colorado	38	38	48	52	50	71	68	78				
Oakland, California	40	55	74	59	67	76	89	80				
Nantucket, Massachusetts	45	41	45	59	40	58	51	57				
Sault Ste. Marie, Michigan	40	33	48	40	0	25	56	50				
Bismarck, North Dakota	37	39	55	42	0	0	71	81				
Tatoosh Island, Washington	28	36	52	34	0	0	75	60				
Anchorage, Alaska	38	32	24	40	0	0	20	57				
AVERAGE	44	47	46	50	34	43	60	66				

shows the percentage frequency of statistical values used at various pressure surfaces, stations, and months.

2. Carbon element

The carbon element operates on the same principle as the lithium chloride element, the difference being in the coating. The new element is a plastic strip coated with carbon. Comparison of the lithium chloride and carbon elements indicates that the carbon element has a wider range of usable measured relative humidity values.

3. Evaluations "over ice" and "over water"

Prior to October 1948 relative humidity values at temperatures above freezing were computed on an "over water" basis, and those at temperatures below freezing on an "over ice" basis. Beginning with the records for October 1948 all temperatures have been computed "over water", regardless of temperature. A station list of exceptions to this change-over date is given below. When "over ice" computations were used, readings of over 100 percent were often obtained. If these exceeded 110 percent, they were deleted from the record and if they were between 101 and 110 percent they were reduced to 100 percent. As a result, many records that were probably at the saturation point if reduced to "over water" were deleted from the records. Also those records between 101 and 110 percent were at least partially reduced to an "over water" basis when they were reduced to 100 percent. It is therefore considered incorrect to convert these values of 100 percent "over ice" to an "over water" basis when using humidity data of both "over ice" and "over water", as a double correction would be applied to the values of 100 percent. Since the change to "over water" computations, values at or near 100 percent are no longer obtained at temperatures below freezing, except with the carbon element.

<u>Station Name</u>	<u>Service 1948</u>	<u>Change from Ice to Water</u>
G-1 Range NOTS, California	A	1/49
Long Beach, California	A	11/48
Denver, Colorado	A	11/48
Kearney, Nebraska	A	11/48
Lakehurst, New Jersey	N	1/50
Eureka Sound, N.W.T., Canada	WB	1/49
Isachsen, Canada	WB	11/48
Mould Bay, N.W.T., Canada	WB	4/49
Stephenville, Newfoundland	A	3/49
Balboa, Canal Zone	A	2/49
Guantanamo Bay, Cuba	N	1/49
Havana, Cuba	WB	11/48
Managua, Las Mercedes, Nicaragua	A	1/49
Adak, Alaska	A	11/48
Amchitka, Alaska	A	11/48
Fukuoka, Kyushu, Japan	A	11/48
Tokyo, Japan	A	4/49
Clark Field, Angeles, Luzon	A	2/49
Guam	A	11/48
Iwo Jima	A	1/49
Johnston Island	A	1/49
Kwajalein Atoll	A	11/48
Midway Island	A and N	1/49
Okinawa	A	1/49

4. Mixing ratio

Mixing ratio was computed (through December 1948) for each level from the values of pressure, corrected temperatures, and corrected relative humidities by means of a slide rule furnished for this purpose. It was computed to the nearest 0.1 g./kg. Mixing ratio was not computed for "motorboating" or missing relative humidity.

D. Winds

1. Corrections for curvature of the earth

The conventional method of upper-wind evaluation involves projection of the sounding balloon's trajectory on the surface of a horizontal plane, tangent to the earth at the observation point. This method which failed to allow for the curvature of the earth has been shown by Clem, Colson, and Harrison [1] to be seriously in error in situations where the balloon is tracked to large horizontal distances by electronic equipment. This is particularly significant under jet-stream conditions. By projecting the balloon's path on an appropriate spherical surface corresponding arc distances are obtained. Thus the effect of the earth's curvature is taken into account and more accurate wind evaluations result. For an explanation of the principles involved, see [1].

Corrections for curvature of the earth were therefore developed and their use inaugurated as shown below:

November 1952 for some Navy stations

November 1, 1954 for Air Weather stations

January 1, 1955 for Weather Bureau stations

Corrections were obtained through the use of ΔE charts and a slide rule for computing balloon distance. These corrections were applied whenever the observed elevation angle was 20° or less and the height of balloon was 5 km. or more, and were determined to the nearest hundredth of a degree. Corrections were always added to observed elevation angles. On July 1, 1955, a new set of plastic charts was furnished to correct winds aloft for curvature of the earth and ΔE charts with slide rules for distance computations were no longer used. Charts for determining curvature of the earth corrections are shown as figures 3A and 3B. The chart in figure 3B is a supplement to that of figure 3A.

E. Stability Index

On February 1, 1953, instructions were issued to begin computation and transmission of the stability index for each radiosonde and rawinsonde observation in the contiguous United States and at other stations according to requirements, for example at Alaskan stations during the summer months. However, in some cases a delay of as much as a month occurred before reports were made regularly. The stability index indicates the degree of stability of the layer of air extending from near the surface to the 500-mb. level. Computation consists of finding the temperature that a particle of air at a selected level would have if it were moved upward along the moist adiabatic curve from its condensation level to the 500-mb. level and then subtracting this value algebraically from the temperature of the air at 500 mb. The remainder is the stability index. Positive values indicate stable conditions and negative values indicate unstable conditions. The base level depends upon the station elevation, as follows: station elevations less than 1000 gpm. use the 850-mb. level, 1000 to 1400 gpm. elevations use the 800-mb. level, and 1401 to 2000 gpm. elevations use the 750 mb. level.

[1] Leroy H. Clem, DeVer Colson and Louis P. Harrison, "Corrections of Upper-Level Wind Computations for Effect of Earth's Curvature", Bulletin of the American Meteorological Society, Vol. 35, Oct. 1954, pp. 357-362.

ΔE CHART

CORRECTION OF ELEVATION ANGLE FOR CURVATURE OF EARTH

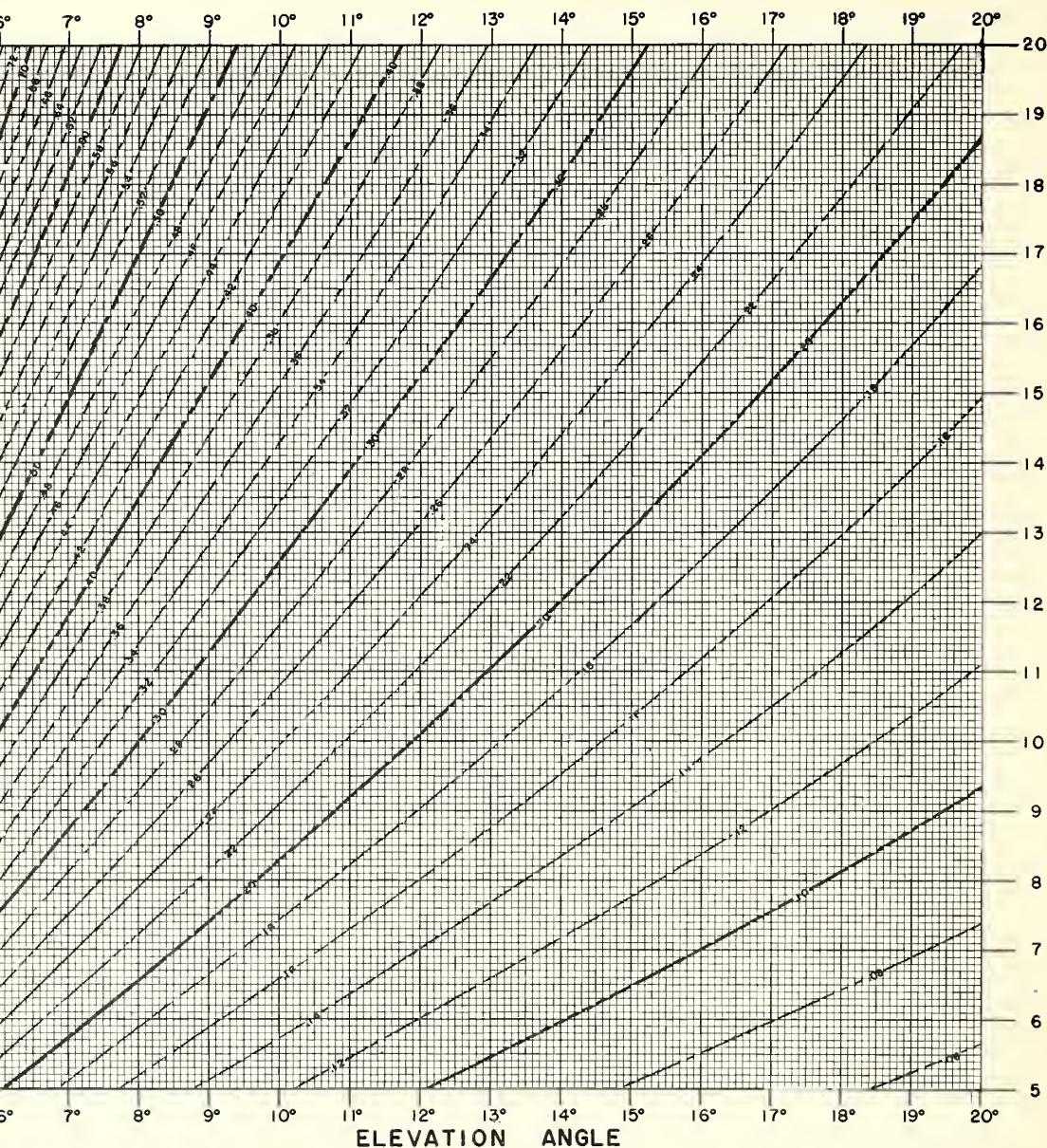


Figure 3 A

ΔE CHART

CORRECTION OF ELEVATION ANGLE FOR CURVATURE OF EARTH

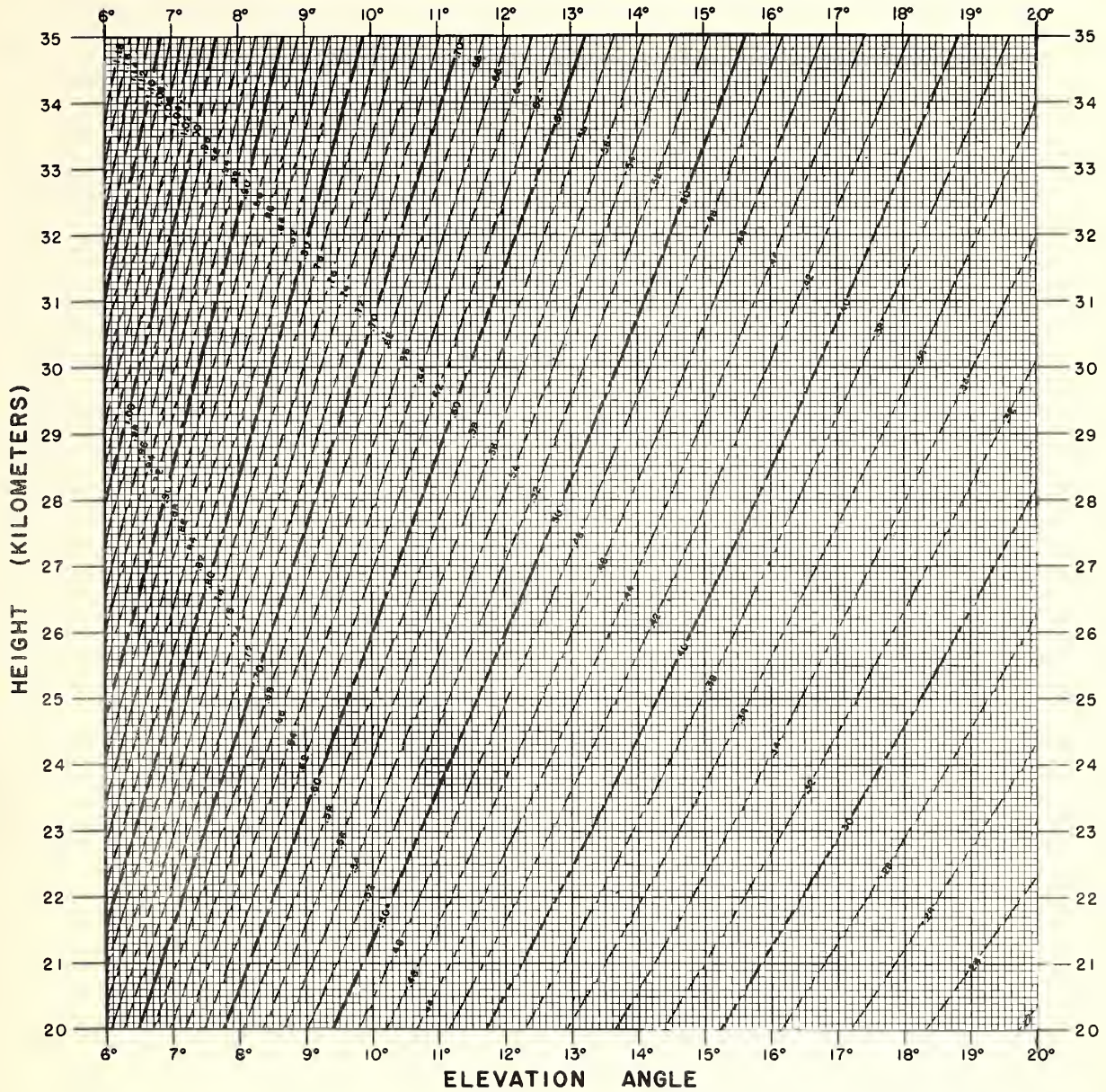


Figure 3 B

Stability index computations are not made if the relative humidity is missing or there is "motorboating" at the base level, or if the temperature is missing at 500 mb.

Chapter V

SCHEDULED TIMES OF OBSERVATIONS

During the period January 1, 1946, through March 31, 1948, the scheduled times of observations were 0400 and 1600 GMT, with delayed observations to be made within the succeeding six hours. On August 8, 1946, stations were granted permission to take only the 1600 GMT observation until four observers were experienced, but the length of time for this was not expected to exceed three weeks. Permission was granted on October 1, 1946, for stations requiring additional time to meet transmission schedules to release one and one-half hours before the scheduled times of release. However, this was not done at all stations.

Scheduled times of release were changed to 0300 and 1500 GMT for two observations per day, and 0300, 0900, 1500, and 2100 GMT for four a day, beginning with the first observation after 0001 GMT, April 1, 1948. Delayed observations were to be made within the succeeding three hours when two or more observations per day were scheduled and within the succeeding six hours when only one per day was scheduled.

By agreement of the World Meteorological Organization, times of upper air observations were changed to 0000, 0600, 1200, and 1800 GMT, where four observations per day are taken, and 0000 and 1200 GMT where two observations per day are taken. It was further provided that releases could be made as much as 60 minutes before scheduled time. Observations started after scheduled times were to be considered as delayed observations and could be taken as late as 60 minutes after schedule. This was effective April 1, 1957, in all regions except the United States, Canada, and the Pacific Ocean, and on June 1, 1957, in those areas.

Chapter VI

MANDATORY AND SIGNIFICANT LEVELS

A. Mandatory Levels

Mandatory levels are those selected by international agreement for synoptic analysis. Accordingly, all stations must evaluate and transmit data for those levels. Mandatory levels are not generally points of significant changes. The height values for these points are computed and those for temperature and relative humidity are read from the plotted adiabatic chart after the significant levels are plotted and lines connecting these points are drawn. The mandatory levels and dates of requirement are as follows:

January 1, 1946	1000, 850, 700, 500, 300, 200 and 100 millibars
February 1, 1950	400-millibar level added
January 1, 1951	150-millibar level added
November 1, 1951	50-millibar level added
May 1, 1954	250-millibar level added
January 1, 1955	600-millibar level added for Pacific stations only
July 1, 1957	25-millibar level added (discontinued December 31, 1959)
January 1, 1960	30-millibar level added

B. Significant Levels

Significant levels are selected at points of significant changes in temperature, humidity or other points of importance for upper air analysis, such as the tropopause, maximum and minimum temperatures, cloud bases and tops, etc. Requirements have been established for three sets of significant levels.

1. For evaluation of sounding

For evaluation of data as indicated on the recorder records and shown on WBAN-31. Rules that were in effect for this category in January 1946, and changes that have been made are shown below. Rule numbers followed by a letter are changes to the original rule of that number. New rules are indicated by letter only. Levels were required, as follows:

Rule 1. Surface pressure (pressure at the elevation of floor of instrument shelter).

Rule 2. The base and top of all significant temperature inversions, isothermal layers, and super-adiabatic lapse rates.

Rule 3. The extreme maximum and minimum temperatures recorded in the sounding.

Rule 3A. Effective June 1, 1957, the above rule deleted.

Rule 4. At any place along the temperature curve having a significant temperature lapse rate change (a departure of the point in question from linearity between the two adjoining points, equal to or greater than 1°C. in the troposphere and 2°C. in the stratosphere).

Rule 4A. Effective January 1, 1950. Significant temperature lapse rate change, defined as 1°C. departure throughout the sounding.

Rule 4B. Effective August 1, 1958. Significant temperature lapse rate change, defined as 1°C. between the surface and 100 mb., 2°C. above.

Rule 5. At any point of significant relative humidity gradient change, (defined similarly as that for temperature, except that the departure from linearity is 10 percent throughout the flight).

Rule 6. Between the temperatures of $-37^{\circ}\text{C}.$ and $-40^{\circ}\text{C}.$, or at the highest usable relative humidity below this point.

Rule 6A. Effective November 1, 1951. At the highest usable, non-motorboating humidity contact, or between the $-37^{\circ}\text{C}.$ and $-40^{\circ}\text{C}.$ portion of the temperature record when non-motorboating value occurs in that portion.

Rule 6B. Effective August 1, 1958. A significant level based on either temperature or humidity must be placed between the $-37^{\circ}\text{C}.$ to $-40^{\circ}\text{C}.$ portion of the temperature record whenever non-motorboating values occur within that portion. Otherwise a level will be placed at the highest altitude at which non-motorboating relative humidity occurs when the temperature is $-37^{\circ}\text{C}.$ or higher.

Rule 7. No relative humidity will be evaluated for temperatures lower than $-40^{\circ}\text{C}.$ at any level, including the surface, except that some military stations using carbon elements evaluate humidity to temperatures colder than $-40^{\circ}\text{C}.$

Rule 8. Where motorboating relative humidity begins or ends. Statistical values (figures 2A, 2B and 2C) will be determined for these humidities or others which may be needed when relative humidity is motorboating and a level is chosen because of temperature change.

Rule 8A. Effective November 1, 1951. At cut-off points (beginnings and endings) that bound motorboating strata four consecutive contacts or more in extent, except that when motorboating continues throughout the remainder of the observation, the upper level will be omitted. Levels need not be placed for strata of lesser extent unless the cut-off values pertaining to the strata differ by more than 10 percent from the relative humidity values of succeeding and preceding levels.

Rule 8B. Effective June 1, 1957. At cut-off points that bound motorboating strata of more than 50 mb. in extent, except that when motorboating continues throughout the remainder of the sounding the upper levels will be omitted.

Rule 9. If the relative humidity varies between motorboating and non-motorboating values and the variations do not exceed 10 percent, the stratum may be considered either wholly as motorboating or as non-motorboating, depending on the predominant values.

Rule 9A. Effective August 1, 1958. Any layer more than 50 mb. in extent, containing humidity traces that vary between motorboating and non-motorboating values will be considered as all motorboating provided it does not contain a single series of non-motorboating relative humidity that exceeds the cut-off point by 10 percent or more.

Rule 10. Within every motorboating stratum of four contacts or more (about 58 to 60 mb. stratum).

Rule 10A. Effective November 1, 1951. Within every motorboating stratum of more than four contacts, except when motorboating continues throughout the remainder of the sounding. A level need not be placed within a motorboating stratum four contacts or less in extent, unless a point within the stratum is otherwise significant.

Rule 10B. Effective June 1, 1957. Within every motorboating stratum of more than 50 mb. in extent, except when motorboating continues throughout the remainder

of the observation. A level need not be placed within a motorboating stratum of 50 mb. or less unless a point within the stratum is otherwise significant.

Rule 11. If the radiosonde descends due to icing or turbulence and then re-ascends, a level will be placed at the highest point before descent, and again at the same point in the re-ascent.

Rule 11A. Effective August 1, 1958. At the highest complete contact of the first ascent and at the same contact of the second or last ascent, when the radiosonde descends owing to icing or turbulence and then re-ascends.

Rule 12. Effective June 1, 1957. At a pressure corresponding to any mandatory level unless for some other reason a level has already been selected within 100 mb. of the pressure at the mandatory surface.

Rule 13. At the bursting point of the balloon.

Rule 13A. Effective November 1, 1951. At the bursting point of the balloon or at the highest usable point of the record. When the bursting point occurs at a reference or a relative humidity contact, the evaluation of the flight will be terminated at the top of the last temperature contact.

Rule 13B. Effective August 1, 1958. At the termination or bursting point of the balloon or at the highest usable point of the record. When bursting occurs, use the top of the last temperature contact. However, when all or part of the last contact has a decidedly round appearance and indicates a marked increase in temperature that is not supported by the lapse rate, place the point where the temperature increase begins.

Rule 14. At the base of any cloud layer the balloon is observed to have entered.

Rule 14A. Effective June 1, 1957. Above rule discontinued.

Rule 15. At the base and the top of any doubtful data stratum.

Rule 16. At the beginning and end of missing data and one level within the missing data stratum.

Rules 15A and 16A. Effective August 1, 1958. At the base and top of any temperature and/or relative humidity traces that are either considered as doubtful or missing data.

Rule 17. At the base of icing conditions, if determined.

Rule 18. If no level is chosen for temperature or humidity changes between 410 and 400 mb., then one will be chosen at 400 mb. by reading from the adiabatic charts, in order that a common level between WBAN 31A and 31B can be plotted.

Rule 18A. Effective January 1, 1950. Between the 125 and 100-mb. levels.

Rule A. Effective March 1, 1950, at Weather Bureau stations only. At the 10-mb. level which was the termination level for plotting and computations.

Rule A-1. Change effective July 1, 1957, to 5 mb. This does not apply to Weather Bureau stations using military instruments or to military stations.

Rule B. Effective June 1, 1957. At the approximate top of a surface super-adiabatic lapse rate.

Rule C. Effective August 1, 1958. Whenever relative humidity is discontinued because the temperature is below -40°C . and the temperature again rises, the evaluation of relative humidity will not be resumed unless the temperature becomes higher than -35°C . If it is resumed, the first level after resumption will be placed within the -37°C . to -40°C . portion of the temperature record.

Rule D. Effective August 1, 1958. A single layer of motorboating relative humidity 50 mb. or less in extent will be considered as non-motorboating and a level will be placed at the cut-off points only if they differ by 10 percent or more from a linear interpolation between the levels adjacent to the one in question. If a level is placed within the stratum the relative humidity will be evaluated, using 5.0 ordinates as the factor.

Rule E. Effective August 1, 1958. Relative humidity at a level separating missing and motorboating strata will be evaluated as motorboating.

Rule F. Effective August 1, 1958. No level will be placed within 10 mb. of the surface level since this portion of the record may not be representative.

Rule G. Effective November 1, 1951. Surface wet bulb temperatures are not read at temperatures below -35°F ., and surface relative humidity is not computed for temperatures below -35°F . (-37°C .).

2. For coding and transmission

In effect January 1, 1946, significant levels for transmission are selected from those already chosen as significant levels for evaluation of the sounding. For this purpose a significant level is defined as a level where temperature and/or moisture content data are sufficiently important or unusual to warrant the attention of the forecaster, and/or required for the precise plotting of the radiosonde observation. In addition, levels having noteworthy changes in wind direction and/or speed should be chosen. The selection of levels for transmission requires only enough significant levels so that a linear interpolation between any two levels in a report gives a close approximation to the observed data. By close approximation it is meant that in the troposphere the observed temperature between any two transmitted levels does not depart from linearity by more than 2°C . or the relative humidity by more than 10 percent at any point on the plotted curves obtained from the coded transmission. In the stratosphere the temperature departure allowed is 5°C . and humidity remains the same as for the lower levels. If a level is not required due to temperature or humidity changes between the 410 and 400-mb. levels, then the 400-mb. level will be read from the adiabatic chart curves and the data transmitted as the last significant level in the first transmission. The term close approximation, for the purpose of the radiosonde code, was revised as of March 28, 1950, to read 1°C . departure up to 500 mb. and 2°C . for all data above 500 mb. The relative humidity remained the same with 10 percent departure at all times.

Revised specifications for levels considered to be significant in the radiosonde code became effective November 1, 1951, and are as follows:

(a) Bases of clouds, (b) icing strata, (c) the lowest temperature on the plotted curve.

The bounding levels of a stratum of more than four contacts in extent for which both temperature and humidity data are missing.

The bounding levels of a stratum of more than four contacts in extent for which humidity values are not available due to motorboating, and a level within each of these strata.

Code the termination level of the ascent whenever the pressure is greater than 50 mb. and the terminating level does not coincide with a mandatory level. (Data will not be coded and transmitted for levels whose pressures are lower than 50 mb.)

Whenever a series of relatively thin strata having different lapse rates occur adjacent to one another, data only for the lowermost and uppermost of such levels will be transmitted unless otherwise required.

Sufficient number of levels should be included so that a linear interpolation between any two levels in the message gives a close approximation to the observed data. (Close approximation defined March 28, 1950.)

The highest temperature and highest and lowest humidity up to 400-mb. level will also be reported.

The lowest temperature on the plotted curve rule covers the area from the surface to 50 mb.

If a significant level and a mandatory level coincide, the level will be coded as a mandatory level only, unless it is a terminal point which is the beginning or ending of missing or doubtful data.

Selection of tropopause data began about September 15, 1954. Selection of the tropopause levels is confined to the stratum from the 500-mb. level to the 30-mb. level. The first tropopause is the lowest level at which the lapse rate decreases to 2°C./km. or less and averages 2°C./km. or less for at least 2 km. above. A second tropopause may be selected at any level above the first tropopause, using the same rules as for the selection of the lower tropopause, except that a layer in which the average temperature lapse rate exceeds 3°C./km. over at least a 1 km. layer, must exist between the two. Additional tropopause levels to be selected using the rules for second tropopause levels.

Effective February 1, 1956, instructions for reporting of tropopause level were changed. Report only the lowest tropopause between 600 and 30 mb., with a temperature of -30°C. or colder. Second and third tropopauses no longer reported and the additive data indicators "72" and "73", indicating two or three tropopause levels follow, were deleted from the assigned numbers in the "101" group data.

3. For card punching

The significant level data that are placed on punched cards are selected from those used in computation of the sounding. They are selected at the observing stations, in accordance with the rules given below. These rules provide for selection of those levels that show the major changes that occurred, and which when re-plotted on an adiabatic chart would depict the original sounding in all its major aspects. Each level is coded to indicate the reason for its selection, i.e., inversion, superadiabatic lapse rate, tropopause, etc. Special instructions covering additional levels required during the IGY period are not included, nor are minor changes which do not materially change instructions.

Requirements effective July 1, 1952, for the selection of significant levels are as follows:

(a) Surface data should be indicated as the first significant level for punching. The highest accurate level reached is indicated as the last significant level for punching. Code 0.

(b) The first significant level above the surface to be selected on the basis of temperature should be the first point of change in lapse rate,

where the departure from linearity represented by a straight line between adjacent significant levels (above and below the point under consideration) equals or exceeds 1°C. Code 0.

(c) The criteria for selection of other significant levels require a change in lapse rate where the departure from linearity, as defined above, is at least 2°C. in the remainder of the troposphere and at least 5°C. in the stratosphere. Code 0.

(d) Additional levels are selected where the departure from linearity of relative humidity between adjacent levels is at least 30 percent. A statistical value is used for "motorboating". It is intended that levels be selected on the basis of relative humidity changes only where these are of major significance and not already approximately reflected in the selection of levels on the basis of temperature changes. Code 4.

(e) Additional levels are selected if necessary to bound significant inversions, isothermal layers, or combinations of the two. Inversions and/or isothermal layers are considered significant when the temperature at the top of the stratum in question is 2°C. or more warmer than a dry adiabatic projected from the base, when the base is between the surface and 600 mb.; and 3°C. or more warmer when the base is above 600 mb. Any layer having not more than 1°C. change per kilometer is considered isothermal. Inversions in the stratosphere are not considered significant. Base, Code 1; Top, Code 2.

(f) Important superadiabatic lapse rates are indicated by selection of levels at the base and the top of such strata. This should include all superadiabatic layers beginning at the surface and all such layers above the surface at which the temperature at the top of this stratum is 1°C. or more colder than a dry adiabatic lapse rate, projected from the base. If a superadiabatic lapse rate of lesser extent is considered of importance by the observer, selection of levels bounding the stratum should be made regardless of the above guide rule. Code 3.

(g) Levels are selected at the base and top of each stratum of missing temperature (MISDA) and coded "O" unless a higher code figure is appropriate.

(h) Levels indicating tropopause data are selected when one or more tropopauses are reached. Tropopause data are punched as significant levels. The criteria for the first tropopause will be:

- (1) It must be between 600 and 30 mb.
- (2) The temperature must be lower than -30°C.
- (3) The tropopause will be selected at the lowest level at which the lapse rate decreases to 2°C./km. or less and then averages 2°C./km. or less in the 2 km. layer immediately above that level.

If a second, higher, tropopause is observed, that level will also be selected in accordance with the criteria for the first tropopause and in addition, it must be at least 1°C./km. colder than the first tropopause and a 1 km. layer with an average lapse rate greater than 3°C./km. must appear between the two tropopause levels. The higher tropopause will be at or near to the lowest temperature sounding, and usually at the base of an inversion or isothermal layer. First tropopause, Code 5; second, Code 6.

Selection is continued through intermediate doubtful strata. If no accurate data are recorded above the doubtful strata, selections are terminated at the base of the final doubtful stratum.

These requirements were added effective July 1, 1957:

(1) A significant level should be selected for the level of highest wind speed and should be coded "7" under "Type Identifier". Data for this level should be entered near the bottom of Data Block B. Wind direction, in whole degrees, and wind speed to the nearest whole meter per second (required for this level only) should be entered in the remarks column on the line below the height.

Chapter VII

WBAN FORMS USED FOR UPPER AIR OBSERVATIONS

A. Upper Wind Forms

1. WBAN-20, Winds Aloft Computation Sheet

a. Contents of form

(A beginning date of January 1, 1946, in most cases indicates that the particular rule was in effect, but did not necessarily start on that date. An ending date of December 31, 1960, in most cases indicates that the particular rule was still in effect, but did not necessarily change on that date. Changes that are considered of special importance are indicated by asterisk.)

January 1, 1946--December 31, 1960

- (1) Type of balloon and tracking equipment used.
- (2) Azimuth and elevation angle readings and height of balloon.
- (3) Reason for termination.

January 1, 1946--December 31, 1954

- (4a) Wind direction and speed for each minute.

* January 1, 1955--December 31, 1960

- (4b) Wind direction and speed for each minute up to 7 km. and every 2 minutes above 7 km.

January 1, 1947--June 30, 1955

- (5a) Rawinsonde time altitude data for the surface and every five contacts beginning with the first contact divisible by five above the surface. (See Item 3a(1) below for these data from July 1, 1955 through December 31, 1959.)

January 1, 1960--December 31, 1960

- (5b) Rawinsonde time altitude data as above except data divided into lower levels (first 50 minutes), obverse side, and upper levels (51 to 105 minutes), reverse side.

January 1, 1946--June 30, 1955

- (6a) Coded data for standard levels of teletypewriter transmission. (See Item 3a(1) below for these data from July 1, 1955 through December 31, 1959.)

January 1, 1960--December 31, 1960

- (6b) Coded data for standard levels of teletypewriter transmission divided into lower levels (obverse side) and upper levels (reverse side).

January 1, 1960--December 31, 1960

- (7) Standard levels for transcription to punch cards lower levels (obverse side) and upper levels (reverse side).

January 1, 1960--December 31, 1960

(8) Maximum wind speed data blocks (lower and upper levels).

b. Units used

- (1) Height of balloon = yards or feet
- (2) Wind direction = whole degrees (computations)
= nearest 10 degrees (coded transmission)
= 16 point compass (punched card data)
- (3) Wind speed = meters per second (computation)
= meters per second through 1949 and knots
effective January 1950 (coded transmission)
= meters per second (punched card data)

c. Revisions of form

(1) January 1, 1947 - Became obverse side of wind graph instead of a separate sheet for computations and graphs as before.

* (2) July 1, 1949 - Cloud entry data omitted.

* (3) January 1, 1950 - Coded wind speed for transmission changed to knots.

(4) July 1, 1955 - Wind graph on reverse of WBAN-20 no longer required, and punched card data, coded transmission, and time-altitude data put on reverse side of WBAN-20 and called WBAN-20B.

(5) January 1, 1960 - Revised to smaller form with all data divided into lower and upper levels.

2. WBAN-20A, Winds Aloft Graph

a. Contents and revisions of form

(1) January 1, 1946--December 31, 1946 - Graph only on a separate sheet.

(2) January 1, 1947--June 30, 1955 - Graph placed on reverse of WBAN-20.

(3) January 1, 1950--June 30, 1955 - Standard level data for transcription to punched cards placed on form WBAN-20A.

* (4) July 1, 1955 - Graph no longer required.

3. WBAN-20B, Winds Aloft Computation Sheet

a. Contents and revisions of form

(1) July 1, 1955--December 31, 1959 - Replaced WBAN 20A on reverse side of WBAN-20 with punched card data, coded transmission, and time-altitude data.

(2) January 1, 1960 - Form discontinued (WBAN-20 divided into lower levels, obverse side, and upper levels, reverse side, replacing WBAN-20B).

4. WBAN-22, Winds Aloft Summary Form

(Wind data for standard height levels above mean sea level)

a. Contents of form

- (1) Type of equipment code (upper right corner of form).
- (2) Wind direction and speed.

b. Units used

- * (1) Wind direction = 16 points 1946-1955, whole degrees thereafter.
- (2) Wind speed = meters per second.
- (3) Standard levels = geopotential meters above mean sea level.

c. Levels used

- (1) Surface 500, 1000, 1500, 2000, 2500, 3000, and each 1000 meters above M.S.L. from 3000 to 41,000 meters from 1946 through 1955.
- * (2) Levels added for 150 and 300 meters above surface, beginning January 1, 1956.

Note: Levels on WBAN-22 are also punched card levels.

- * d. Preparation of WBAN-22 for pibals was discontinued effective July 1, 1957.

B. Radiosonde or Rawinsonde Forms

1. WBAN-30, Radiosonde Computation Form

a. Contents of form (obverse side) January 1, 1946--December 31, 1949.

- (1) Altitude of all pressure levels.
- (2) Pressure contact reading and millibar value.
- (3) Temperature ordinate, corrections, and temperature.
- (4) Relative humidity ordinate, uncorrected value; correction applied and corrected value (through 1948 only).
- (5) Mixing ratio (through 1948 only).

- * (a) Over ice, January 1946 through September 1948. (See IV-C-3.)
- * (b) Over water, October 1948 through December 1948. (See IV-C-3.)

- (6) Mandatory level data for transmission.
- (7) Coded message for transmission (first and second transmission).
- (8) Radiosonde instrument number.
- (9) Height of surface (meters and/or feet).

Data on reverse side of WBAN-30 as follows:

- (10) Release observation data.
- (11) Balloon inflation data.
- (12) Baseline check data.
- (13) Pressure computation for surface level.

b. Revisions of form

- * Dew point (over water) entered, replacing mixing ratio, January 1, 1949--December 31, 1949.

c. Units used

- (1) Altitude = 0.98 dynamic meters (geopotential meters)
- (2) Pressure = millibars

- (3) Temperature = degrees and tenths Celsius
- (4) Relative humidity = percent
- (5) Mixing ratio = grams per kilogram
- (6) Dew point = degrees and tenths Celsius

* WBAN-30 combined with WBAN-31 on January 1, 1950.

2. WBAN-31A and 31B, Adiabatic Charts

a. Contents of forms, as of January 1946

These charts contained the following information for mandatory and significant levels from the surface to 400 mb. on WBAN-31A and from 500 mb. to 10 mb. on WBAN-31B.

- (1) Temperature curve.
- (2) Relative humidity curve.
- (3) Pressure altitude curve.
- (4) Pressure and altitude of all selected levels.

b. Revisions of forms

January 1, 1950 through December 31, 1960

- (1) Significant level data block on WBAN 31A and 31B.
- (2) Coded transmission (first, WBAN-31A; second, WBAN-31B).
- (3) Constant pressure data for mandatory and punched card levels on WBAN-31A and 31B.
- (4) On reverse side of WBAN-31A, data for surface observation and weather, and surface and constant pressure data computations. Changed to front of form effective April 1, 1957.

August 1, 1951 through December 31, 1960

- (1) Solar radiation data block added on WBAN-31B.
- (2) Baseline check data added to WBAN-31A.
- (3) Tick marks to obtain thickness values between mandatory levels for height computations were added.

April 1, 1947 through December 31, 1960

- * (1) WBAN-31B changed to include levels from 500 to 100 mb.
- * (2) WBAN-31C added and included levels from 100 to 1 mb.

c. Units used

Same as V-B-1-c.

3. WBAN-33, Summary of data at constant pressure surfaces

a. Contents of form

- (1) Surface pressure - height of standard pressure levels.
- (2) Temperature.
- (3) Relative humidity (statistical values used when data are missing due to motorboating. These are identified by letter "A" preceding the relative humidity value.)
- (4) Wind direction and speed.

- (5) Total number of observations for each standard level.
(This refers to height values only.)
- (6) Sums and means for each standard level.

b. Units used

- (1) Pressure = millibars
- (2) Altitudes = 0.98 dynamic meters (geopotential meters)
- (3) Temperature = degrees and tenths Celsius
- (4) Relative humidity = percent
- * (5) Wind direction = tens of degrees (January 1, 1946 through June 1949)
= 16 points (July 1, 1949 through December 31, 1955)
= whole degrees (beginning January 1, 1956)
- * (6) Wind speed = miles per hour (January 1, 1946 through June 30, 1949)
= meters per second (from July 1, 1949)

c. Revisions of form

- (1) Sums of each standard pressure level omitted as of January 1950.

d. Levels reported (by page number of WBAN-33 and card number of punched cards).

January 1, 1946 - June 30, 1957

- # 1 = surface, 1000, 950, and 900 mb.
- # 2 = 850, 800, 750, and 700 mb.
- # 3 = 650, 600, 550, and 500 mb.
- # 4 = 450, 400, 350, and 300 mb.
- # 5 = 250, 200, 175, and 150 mb.
- # 6 = 125, 100, 80, and 60 mb.
- # 7 = 50, 40, 30, and 20 mb.
- # 8 = 15, 10, 07, and 05 mb.

July 1, 1957 - December 31, 1960

- # 1 through # 6 = same as above
- # 7 = 50, 40, 30, and 25 mb.
- # 8 = 20, 15, 10, and 07 mb.
- # 9 = 05, 04, 03, and 02 mb.

(The 70-mb. surface was added effective January 1961 with resulting renumbering of all cards and regrouping of some.)

4. Mean-layer Winds

Mean-layer winds are computed through specified areas for use in certain programs and for designated periods. These are the computed mean wind directions and speeds through the designated layers.

During the period April 1957 to November 1960, 18 stations computed and transmitted winds for the layers 5,000-15,000 ft., 15,000-25,000 ft., 25,000-35,000 ft., and 35,000-45,000 ft. for the Atomic Energy Commission. These were Bishop, Ely, Fresno, Las Vegas (research center and airport station), Medford, Milford, Oakland, Phoenix, Reno, Tucson, Salt Lake City, San Diego, Santa Maria, Santa Monica, Winnemucca, Winslow, and Yuma.

Beginning July 15, 1958, and being continued at this writing, mean layer winds for the layers 3,000-7,000 ft., 16,000-23,000 ft., and 31,000-41,000 ft. are being

computed and transmitted by the following stations, for use by the National Hurricane Research Project.

Abilene, Texas	Jackson, Miss.	Raleigh, N. C.
Athens, Ga.	Jacksonville, Fla.	Richmond, Va.
Birmingham, Ala.	Key West, Fla.	San Antonio, Texas
Brownsville, Texas	Lake Charles, La.	San Juan, P. R.
Burrwood, La.	Laredo, Texas	Shreveport, La.
Charleston, S. C.	Miami, Fla.	Swan Island, W. I.
Ft. Worth, Texas	Midland, Texas	Tallahassee, Fla.
Galveston, Texas	Mobile, Ala.	Tampa, Fla.
Greensboro, N. C.	Montgomery, Ala.	Waco, Texas
Greenville, S. C.	New Orleans, La.	Washington, D. C.
Hatteras, N. C.	Norfolk, Va.	

These data were entered on a general purpose form during the early days and are now being entered on W.B. Form 610-23.

Chapter VIII
RADIOSONDE AND/OR RAWINSONDE CODE FORM

A. The November 1945 Code

A new code for transmission of meteorological data at standard pressure surfaces was adopted on November 1, 1945. This code provides for two transmissions, each having two sections. Basically, the first transmission is for lower level data (surface through 400 mb.) and the second transmission for data above 400 mb. The two sections of each transmission are for mandatory and significant level data, respectively. The designated mandatory levels at this time were 1000, 850, 700, 500, 300, 200, and 100 mb.

1. Units used in coding

a. Temperature - nearest whole degree, Celsius. Exact half degrees rounded to nearest even degree.

b. Relative humidity - surface data in percent, except 100% coded as "00" and 99% as "98", missing relative humidity as "99". Relative humidity above the surface was coded by using only the tens digit (for example - 3 is 30 to 39%, 7 is 70 to 79%; exceptions: 9 is 90 to 94% and 0, 95 to 100%). Humidity values were computed with respect to ice.

Statistical values of relative humidity for motorboating conditions obtained from the raob tables (copies in figures 2A, 2B, and 2C). Actual humidity values are easily distinguished from motorboating values by the fact that the motorboating values in the range from 0 to 20% have "99" coded for mixing ratio following the humidity in the coded group while real values have a true mixing ratio value.

c. Pressure - reported to nearest whole millibar with the thousands digit omitted in coding, but reported in all other forms.

d. Heights - Only the thousands, hundreds, and tens digits are reported, with the ten thousands digit and units digit omitted. Heights of the 1000-mb. level, which often are below sea level, coded by adding 5000 to the actual value and coding the sum as usual. Example: 1000-mb. level is 432 feet below mean sea level; the sum of 432 and 5000 is 5432, which is coded as 543.

e. Mixing ratio (through 1948) in units and tenths of grams per kilogram of dry air. For values of mixing ratio over 10 grams per kilogram the tens digit omitted.

f. Wind direction - to the nearest tens of degrees from which the wind was blowing. This is the common 36-point wind direction code.

g. Wind speed - in miles per hour, using two digits for the range 0 to 99 miles per hour. For speeds of 100 to 199 m.p.h., 50 is added to the wind direction and the actual speed minus 100 is coded. For speeds ranging from 200 to 299 m.p.h., the actual direction is coded and actual speed minus 200 with a group 00200 added following the wind group. Wind speeds of 300 to 399 m.p.h. use a combination of the 100 and 200 coding methods. Actual wind speed is coded minus 300 and 50 is added to the wind direction, with the additional group of 00300 added following the wind group.

Effective January 1, 1949, wind speed was changed from miles per hour to knots and the same coding practices used as for m.p.h.

2. Example of Coded Report

An example of a coded report of the first transmission follows, with code symbols, decoded data, and notes:

27815 97321 43020 00036 85492 14340 00120 70015 99999 07904
50878 66199 11927 20357 22834 14337 33740 05325 MISDA 44644
53317 55451 72204 66400 78404

III - 278 - International station index number - Phoenix, Arizona
(000 for no number preceded by letter identification).

GG - 15 - 1500 GMT observation release time--add 50 to times for
second transmission.

PoPoPo - 973 - Surface pressure 973 mb.

ToTo - 21 - Surface temperature 21° Celsius

UoUo - 43 - Surface relative humidity 43%

X₁ - 0 Indicator for height and temperature units
("0" = feet and °C., "2" = feet and °F., "4" = meters and °C.,
"6" = meters and °F., "7" = no height and °C., "8" = no height
and °F.)

X₂ - 2 - Indicator for wind group (0 = none, 2 = m.p.h., 4 = knots,
6 = kilometers per hour, 8 = meters per second)

X₃ - 0 - Indicator for moisture content (0 = mixing ratio, 2 = wet
bulb, 4 = dew point, 6 = depression of wet bulb)

00 - 00 - 1000 millibar level indicator

hhh - 036 - 360 feet, height of 1000 mb. level (gft)

85 - 85 - 850-mb. level indicator

hhh - 492 - 4,920 gft height of 850-mb. level

TT - 14 - 14°C. temperature at 850 mb.

U - 3 - 30 to 39% relative humidity at 850 mb.

m_rm_r - 40 - 4.0 grams per kilogram of dry air

0 - 0 - Indicator for wind group

dd - 01 - 010° wind direction at 850 mb.

vv - 20 - 20 m.p.h. wind speed at 850 mb.

70 - 70 - 700-mb. level indicator

hhh - 015 - 10,150 gft is height of 700-mb. level

TTUm_rm_r - 99999 - Temperature, relative humidity, and mixing ratio missing

0 - 0 - Indicator for wind group

dd - 79 - 290° wind direction with 50 added for speed over 100 m.p.h.

vv - 04 - 104 m.p.h. wind speed

50 - 50 - 500-mb. level indicator

hhh - 878 - 18,780 gft is the height of the 500-mb. level

TT - 66 - -16°C. is temperature at 500 mb. with 50 added to indicate
minus temperature

U - 1 - 0 to 19% motorboating relative humidity (statistical value)
 $m_r m_r$ - 99 - Missing mixing ratio due to motorboating relative humidity
 nn - 11 - Indicator for first significant level
 PP'P" - 927 - 927 mb. pressure for first significant level
 TT - 20 - 20°C. is temperature for first significant level
 U - 3 - 30 to 39% relative humidity at 927 mb.
 $m_r m_r$ - 57 - 5.7 g./kg. mixing ratio
 nn - 22 - Second significant level indicator
 PP'P" - 834 - 834-mb. pressure level
 TT - 14 - 14°C. temperature at 834 mb.
 U - 3 - 30 to 39% relative humidity at 834 mb.
 $m_r m_r$ - 37 - 3.7 g./kg. mixing ratio at 834 mb.
 nn - 33 - Third significant level indicator
 PP'P" - 740 - 740-mb. pressure level
 TT - 05 - 5°C. temperature
 U - 3 - 30 to 39% relative humidity
 $m_r m_r$ - 25 - 2.5 g./kg. mixing ratio
 MISDA - MISDA - Missing data indicator for stratum from 740 to 644 mb.
 nn - 44 - Fourth significant level
 PP'P" - 644 - 644-mb. pressure level
 TT - 53 - -3°C. temperature (50 added to temperature value for temperature below zero)
 U - 3 - 30 to 39% relative humidity
 $m_r m_r$ - 17 - 1.7 g./kg. mixing ratio
 nn - 55 - Fifth significant level indicator
 PP'P" - 451 - 451-mb. level
 TT - 72 - -22°C. temperature
 U - 2 - 20 to 29% relative humidity
 $m_r m_r$ - 04 - 0.4 g./kg. mixing ratio
 nn - 66 - Sixth significant level
 PP'P" - 400 - 400-mb. level
 TT - 78 - -28°C. temperature
 U - 4 - 40 to 49% relative humidity
 $m_r m_r$ - 04 - 0.4 g./kg. mixing ratio

Second transmission is in similar format with the 300, 200, and 100 mb. surfaces as mandatory levels and starting the significant levels with "77" the indicator for the seventh significant level. Additional groups indicated by a "101" indicator may be found at the end of either or both transmissions in a single flight. "101" groups give the reason for termination when followed by numbers 40 through 59, miscellaneous information when followed by 60 through 64, doubtful data limits when followed by 65 to 69, and an additional group of $OP_1 P_1 P_2 P_2$ indicating the hundreds

and tens unit of the lower and upper boundary; 80 to 89 indicates corrected data follows. The "101" group using numbers 01 through 31 indicates the day of the month of the observation coded.

B. New Raob and Rawin Code - January 1, 1949

A new radiosonde and rawinsonde code went into effect with the 0300 GMT observation of January 1, 1949. The changes involved are as follows:

Station identification - The first group of the station identification contains "999" - Index number block number (WMO number). The second group of the station identification contains "iii" - Index number station number (WMO number), and "GG" - time of release, as coded in the 1945 code.

Dew point replaces relative humidity and mixing ratio. ($T_o T_o$) - surface temperature in whole degrees Celsius. ($T_{do} T_{do}$) - temperature of the dew point at the surface in whole degrees Celsius. (T_{xo}) - approximate tenths value of temperature and dew point temperature at the surface (see fig. 4). For temperatures above the surface the symbolic form and data reported in the coded groups is similar to the surface temperature group. Note that the relative humidity and mixing ratio in the earlier code are replaced by the dew point and tenths code figure. Note also that dew points are based on computations over water.

Significant level indicator 55555 - indicator showing that significant levels follow in symbolic form of nnPPP TTT $T_{do} T_{do} T_{xo}$. The group 66666 is an indicator that the short form for significant levels in the form PPPTT is used. This is usually used when the humidity element is below operating range and no statistical value or dew points are available.

Effective November 1, 1951, a change was made for coding temperatures observed at -49°C., as follows: Temperatures between -49.0° and -49.4° coded as -48.9°C. Temperatures between -49.5° and -49.9°C. coded as -50.0°C.

Stability index, February 1, 1953 - Stability index values reported by a two-figure group at the end of the first transmission. Only tens and units digits coded. Positive values coded in the range 01 to 49, and negative values by adding 50 and dropping the sign.

Tropopause data, September 15, 1954. Tropopause data indicated in the code by the use of the additive data group "101" followed by 70 (tropopause not identifiable) or 71, 72, 73, which indicate the one, two, or three tropopause levels are reported in the following groups. The tropopause data reporting groups ($N_s N_s N_s TT Z_2 d d f f$ in symbolic form) transmit the height in hundreds of feet, temperature in whole degrees Celsius, wind characteristics in the vertical at the tropopause, reported according to code table 107 in the radiosonde code book (fig. 5), wind direction in 36 points, and wind speed in knots. These two groups are reported for each tropopause level.

Code changes January 1, 1955. A new code format became effective as of the first observation after 0001 GMT on January 1, 1955. The following changes were made:

Deletion of the surface groups from the mandatory portion of the message and their inclusion in the message as the first level of the significant portion (following the 55555 indicator group).

Time of observation (GG) reported instead of 00 in the 1000-mb. level mandatory data group.

CODE TABLE 102
WMO Code 82

Symbols T_x , T_{x0} , T_{x1} , T_{x2} , etc., T_{xm} =Approximate Tenths Value of the Air and Dew Point Temperatures at a Specified Pressure Surface or a Selected Level (e.g., surface, the 1000 millibar, 850, etc., levels, or a significant or selected level)

Code Figure	Tenths of Air Temperature (TT)	Tenths of Dew Point Temperature (T_dT_d)
0	0	0
1	1,2,3	1,2,3
2	1,2,3	4,5,6
3	1,2,3	7,8,9
4	4,5,6	1,2,3
5	4,5,6	4,5,6
6	4,5,6	7,8,9
7	7,8,9	1,2,3
8	7,8,9	4,5,6
9	7,8,9	7,8,9

NOTES

1 In decoding the code figure reported, the middle value of tenths is taken; e.g. if $T_x=6$, the tenths of TT are taken as 5 and the tenths T_dT_d are taken as 8.

2 If tenths of either TT or T_dT_d (but not both) are zero, this zero value is treated as if it were one tenth.

Figure 4

CODE TABLE 107
WMO Code 107

Symbol Z_2 =Wind Characteristic in the Vertical at the Tropopause Level

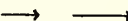


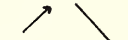
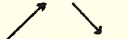
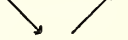



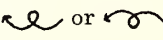
Code Figure	Specification	Graphic Description
0	Wind has sharply increased in speed, no change in direction.	
1	Wind has sharply decreased in speed, no change in direction.	
2	Wind veering with increased height, no change in wind speed.	
3	Wind veering with increased height, with sharp increase in wind speed.	
4	Wind veering with increased height, with a sharp decrease in wind speed.	
5	Wind backing with increased height, no change in wind speed.	
6	Wind backing with increased height, with a sharp increase in wind speed.	
7	Wind backing with increased height, with a sharp decrease in wind speed.	
8	Wind has shifted almost 180° in direction.	
9	Wind has described complete loop, either to the right or to the left.	
x	No change in direction and speed.	

Figure 5

Deletion from the surface group of the figure one indicator specifying the units being reported.

Deletion from the surface group of the symbol x_2 which indicated inclusion or omission of wind data in the report.

When wind data are available for any mandatory level, the wind group is included for all mandatory levels being reported in the transmission in question. When wind data for a level are missing, the group is coded 0xxxx. When wind data are not available for any of the mandatory levels, the wind groups are omitted from the message. Note that for purpose of wind data the first and second transmissions were considered separately.

The symbolic form of the 1000-mb. level data was changed to the following:
GGh₁h₁h₁ T₁T₁T_{d1}T_{d1}T_{x1} 0d₁d₁f₁f₁.

The symbolic form of the surface level data was changed to the following:
OOP_oP_oP_o T_oT_oT_{do}T_{do}T_{xo} 0d_od_of_of_o.

As of January 1, 1955, the mandatory levels for the first transmission were 1000, 850, 700, 500, and 400 mb., with Pacific stations reporting the 600-mb. level as a mandatory level. Those for the second transmission were 300, 250, 200, 150, 100, and 50 mb.

Prior to January 1, 1955, missing data were reported with the use of the key word MISDA, but on January 1, 1955, this was changed to 99999 indicating missing data.

Effective January 1, 1960, the use of "99" for missing temperatures was discontinued and "XX" used instead.

Chapter IX

UPPER AIR DATA ON PUNCHED CARDS

A. Wind Data

The data referred to in this documentation have been placed on punched cards which are on file at the National Weather Records Center, Asheville, N. C., as follows:

1. Wind data at constant height levels (WBAN-22), as described in Chapter VII-A-4, with directions to 16 points through 1955 and to whole degrees thereafter. Speed is in meters per second for the entire period.
2. Wind data at constant pressure surfaces (WBAN-33), as described in Chapter VII-B-3-d, with directions tens of degrees January 1946 through June 1949, 16 points July 1949 through December 1955, and whole degrees beginning in 1956. Speed is in miles per hour January 1946 through June 1949, and meters per second since that time.
3. Maximum wind level cards have been prepared at all Weather Bureau stations since July 1, 1956. These are prepared for rawinsonde observations only, for those occasions when the wind speeds exceed 100 m.p.h. When this occurs, a card is punched indicating (a) the height at which the wind first exceeded 100 m.p.h., (b) the direction and speed of the maximum wind of the layer and the height at which it occurred, and (c) the height at which the wind again decreased to 100 m.p.h. If a sounding has several layers in which the wind exceeds 100 m.p.h., a card is punched for each layer.

B. Raob Data

1. Pressure, temperature, and relative humidity for the surface, and height, temperature, and relative humidity at all constant pressure levels (WBAN-33), as described in Chapter VII-B-3-d of this documentation. These are on the same cards as A-2 above. Pressures are in millibars, heights in geopotential meters, temperatures in degrees Celsius, and relative humidities in percent. These are available for the period January 1946 to date.
2. Pressure, temperature, relative humidity, and height at selected significant levels at all Weather Bureau stations since July 1952.

Chapter X

DATA PUBLISHED CURRENTLY

A. Upper Air Data

Mean monthly values of pressure, temperature, relative humidity, and resultant winds of the upper air have been published regularly on a current basis since January 1922, starting with publication of data obtained by kites in the Monthly Weather Review for that month. Beginning with January 1950, the publication of upper air data and charts was transferred to Climatological Data, National Summary, and that arrangement has continued to the present time. Over the years the tables of published data expanded, both in the number of stations and in the increased altitudes for which data are shown. These data are published for one observational time per day; at 0300 GMT for the period January 1946 through May 1957, and for 1200 GMT thereafter. Monthly mean values are shown for the surface, and for each even 50 mb. level through 200 mb., and at closer levels above. All published values are based on at least 15 observations at the surface. Levels above the surface must have at least five height and temperature observations and/or ten wind observations. Data may be shown for either or both categories, depending on the available number of observations. Due to the inherent limitations of wind measuring equipment (see II-B-2b and II-B-3b) high speed wind soundings are usually terminated sooner than those with winds of lesser speeds, thus creating some bias in those resultants based on less than the full number of wind observations. Relative humidity means are implemented by insertion of statistical values for those occasions when motorboating occurred (see IV-C-1a). Monthly mean values of relative humidity were computed only for those levels having a corresponding temperature warmer than $-20^{\circ}\text{C}.$, through February 1950. However, beginning with data for March 1950, this limitation was changed to $-40^{\circ}\text{C}.$, and a further stipulation made that monthly mean values of relative humidity must be based on at least sixteen actual observations (as distinguished from statistical values).

Monthly Climatic Data for the World, in addition to specified surface data, contains monthly mean values of dynamic height, temperature, and dew point, and resultant winds for the 850, 700, 500, 300, 200, 150, and 100 mb. levels for a large network of selected stations throughout the world. This has been published regularly since May 1948.

The Daily Upper Air Bulletin listing of North American aerological observations, prepared from teletypewriter data, was published from August 13, 1948 until June 30, 1955 (except for the periods November 1, 1949 through April 2, 1950, and July 1, 1954 through November 30, 1954). Starting July 1, 1955, complete upper air data for the Northern Hemisphere have been published in the Daily Series, Synoptic Weather Maps. Part II of this series, Northern Hemisphere Data Tabulations, contains daily listings of wind data at constant height levels and rawinsonde data at standard pressure surfaces, as well as raob data for significant levels. These are for 0300 GMT for the period through March 1957, and for 0000 GMT thereafter.

B. Upper Air Charts

The publication of monthly mean upper air charts began on a regular and current basis with the presentation of charts for 1500, 3000, 4000, and 5000 meters, in the January 1939 issue of the Monthly Weather Review. The levels were changed to 1500, 3000, 5000, and 10,000 meters January 1940 and this arrangement was continued until January 1946 when the constant pressure system was first used; from then on the 850, 700, 500, and 300-mb. charts were published. The 200 and 100-mb. charts were added June 1956, and at this writing the six levels mentioned above are published in Climatological Data, National Summary.

Mean isentropic charts (potential temperature $295^{\circ}\text{A}.$ to $314^{\circ}\text{A}.$) were published during the period January 1939-December 1940 in the Monthly Weather Review.

Part I of the Daily Series, Synoptic Weather Maps, contains surface and 500-mb. charts of the Northern Hemisphere. The 500-mb. charts were based on 1500 GMT data through March 1957 and 1200 GMT thereafter.

Chapter XI

TABLES COMPRISING THIS DOCUMENTATION

In these tables, all of the information for one station is presented on a single page. Tables are included for all raob and/or rawin stations within the areas surveyed at which observations were taken for a consecutive six-month or greater period, and for which records are on file at the National Weather Records Center. Stations reporting only pibals are not included. A composite location chart identifies the geographical areas that were surveyed, and according to which the tables are grouped. A location chart precedes each geographical section to show the location of all stations for which tables are presented. A reference page also precedes each section to identify the symbols used in the tables for that section.

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

This table shows the type of equipment used and the number of daily observations scheduled during each month of the period 1946-1960. Climatological results from the GMD, GMD-1A, and the GMD-1B are believed to be compatible, and climatological results from the WBRT-57 and WBRT-60 are believed to be compatible. Accordingly, symbols in this table have been limited to R for raob, S for the SCR-658 type, S5 for the SCR-548, G for the GMD-1 types, G2 for the GMD-2, W for the WBRT types, and X for Meteox equipment (used by some Canadian stations, and having operating characteristics and limitations similar to the SCR-658). However, changes within a type are shown under "Remarks".

Stations have been grouped by geographic areas. For United States operated stations, original records (or microfilm of original records) are available for the documented material at the National Weather Records Center unless otherwise noted by a footnote.

Where observations were made at non-standard times, the hours of observations are documented in the footnotes. If the hours of observations were irregular, or special types of observations were taken, they are also documented in the footnotes.

Limitations of this table

1. Type of equipment

The symbol represents the type of equipment used for the majority of the observations taken during each month. It is therefore possible for stations to have scattered months of two types of equipment during portions of the record. It is also possible to have only radiosonde, with or without rabal data, while still having electronic wind equipment on station, but used randomly during a given month. This condition may exist due to repairing, awaiting repairs, testing equipment, relocation of equipment, or personnel shortages.

When known, the date each type of equipment was first used is given in footnotes. In some cases the observers failed to indicate equipment type on the forms. If the footnotes show no beginning date for the equipment in use, then the table indicates only the first month that a specific type of equipment was reported in use by notation on the original forms.

2. Number of observations

Two or four observations per day were normally taken at the regularly scheduled hours of 03 and 15 GMT (2 per day) or 03, 09, 15, and 21 GMT (4 per day), prior to June 1, 1957; and 00 and 12 GMT (2 per day), or 00, 06, 12, and 18 GMT (4 per day), thereafter. These are the hours documented unless otherwise noted in the footnotes. For a single observation per day the hour was documented in footnotes. For three observations per day, the third hour was also documented in the footnotes.

For Canadian operated stations, however, this table indicates whether the observations on file at the NWRC are in original or microfilm form, instead of presenting the number of daily observations. The title of the table for these stations has been changed to "Type of Equipment And Source Document". For original records, "O" is used; for microfilm, "F" is used.

QUARTERLY ALTITUDE FREQUENCY DATA

These tables show the number of radiosonde and rawinsonde observations including rabals, which attained the indicated constant pressure surfaces of 100, 50, 30, and 10 mb. during each quarter of each year. The table was prepared through a survey of the monthly summary forms (WBAN-33). The number of flights represents only those observations taken at regularly scheduled hours, i.e., 03 and 15 GMT prior to June 1, 1957, and 00 and 12 GMT thereafter.

The survey began under one set of instructions, but due to the cost and time factors, the instructions were changed. Initially, a "zero" was to indicate that raob or rawins (rabals) were taken, but the flight did not reach that particular pressure surface. It soon became clear that although no winds were listed on the WBAN-33 forms at or above 100 mb., they were almost always reported at the lower levels. Eventually, the practice of entering zeros was abandoned.

Limitations of this Table

When using this table in combination with the first table, it should be remembered that the first table is based only on the original (or microfilmed original) daily observational records for all regularly scheduled observations; while this table is based only on the monthly summaries for two specified observation times. Therefore, it is possible to have data for a single month or period in one table and not the other. Apparent inconsistencies are therefore meaningful in that they indicate the availability of original records for detailed research and/or availability of summary data for extensive machine summarization.

An explanation of some of these apparent inconsistencies is given below:

If the TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS table indicates an "R" (radiosonde only) and this table indicates rawin (rabal) wind data, it would mean that the wind data are from rabals. A station might have had electronic wind equipment but due to malfunction was forced to take rabals for most of the month, hence the type of equipment could show sudden changes.

Where the first table indicates a type of electronic wind equipment but the second table indicates no observations (blank) or raob only, this would show that (1) no summary form is available, but original observation forms (or microfilm of same) are available, or that (2) radiosonde data only are on the summary forms and the electronic wind equipment was not used during most of the period, or was inoperative due to repairs, relocation, or lack of personnel.

This table is not included for Canadian operated stations.

STATION LOCATION

These tables document the changes in station name, number, latitude and longitude, elevation, and operating service; the period of record each change applies to, and the distance and direction from the previous location when the change is a station move. In some instances stations have been cross referenced with a nearby station to indicate a suitable substitute for periods of missing records. Where dashes appear under "period of

record", they indicate "from the beginning" or "to the end" (whichever applies) of the period of record covered by this documentation.

Abbreviations for the various services which may have operated a station are as follows:

- A - Army
- AF - Air Force
- N - Navy
- WB - Weather Bureau
- C - Meteorological Service of Canada

In addition to the tables described above, a microfilm has been prepared of graphs showing the limiting angles at the various rawin stations. Unfortunately, this file is not entirely complete as information is no longer available for certain stations during their early days of operation. However, copies of the film are available upon request from the National Weather Records Center at cost of reproduction.

Chapter XII

DOCUMENTATION SUBSEQUENT TO 1960

In January 1962, the routine use of 1200-gram balloons, to provide greater bursting altitudes, was begun at 30 Weather Bureau stations strategically located in the United States, the Pacific Ocean, and the Arctic. By the end of 1963, 19 of these stations had begun to use radiosondes equipped with hypsometers and carbon hygristors. The stations were the following:

Annette, Alaska	Miami, Florida
Barrow, Alaska	Midland, Texas
Brownsville, Texas	Oakland, California
Burrwood, Louisiana	San Juan, Puerto Rico
Canton Island, Pacific	Shreveport, Louisiana
Cold Bay, Alaska	Wake Island, Pacific
Eureka, N. W. T.	Tatoosh Island, Washington
Fairbanks, Alaska	Marcus Island, Pacific
International Falls, Minnesota	Wallops Island, Virginia
Lihue, Hawaii	

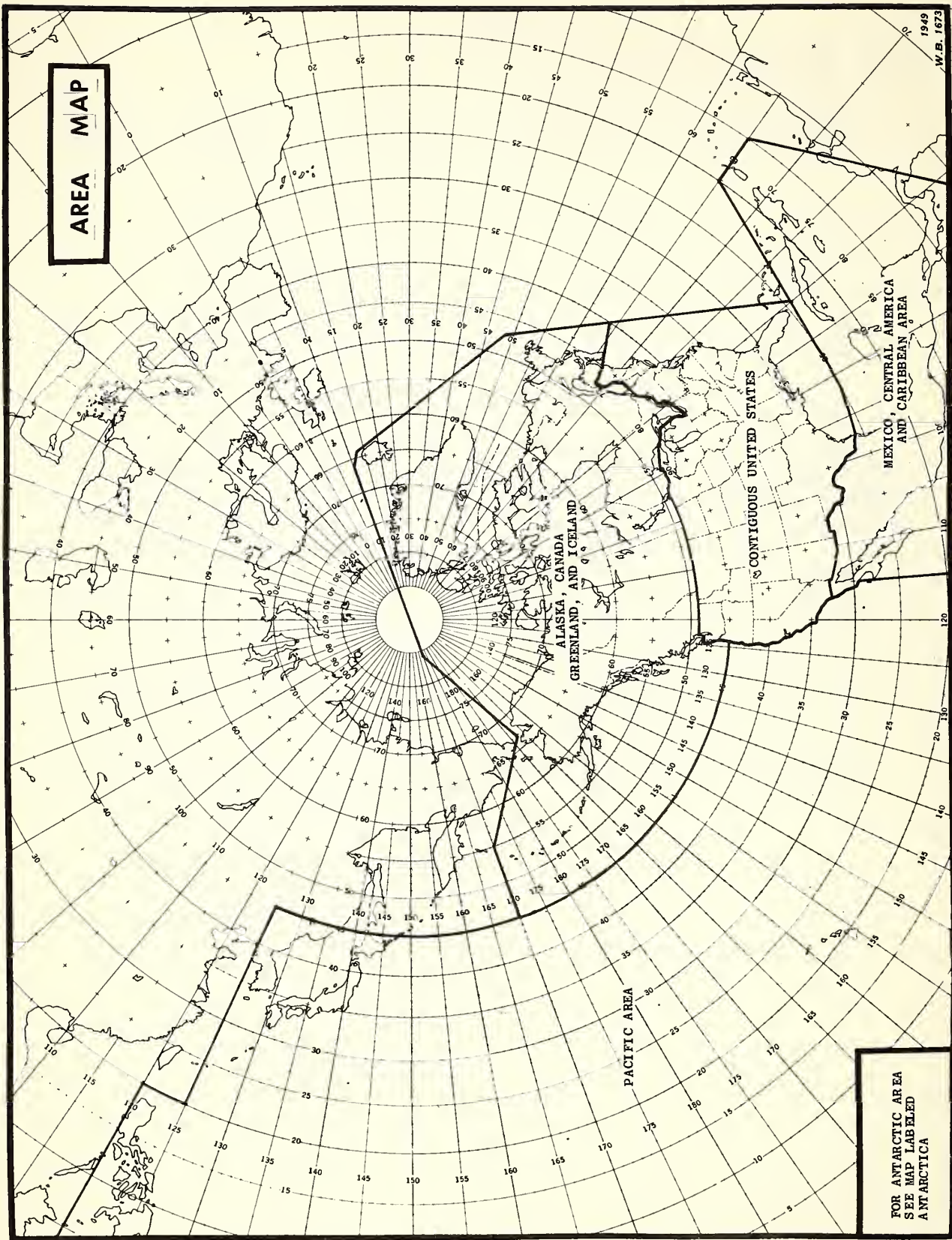
Transponder adjuncts, together with suitable flight expendables, have been ordered so that range finding capability may be added at 35 selected Weather Bureau stations in the United States except Alaska and Hawaii. The transponder radiosondes will retain the capability for measuring pressure. The Washington, D. C. (Sterling, Virginia) station experimented with the use of the new range-finding technique in 1963, but as of the end of the year none of the stations had begun its routine use. It is expected that this will commence in 1964 as equipment is received from the manufacturer.

Effective with data for January 1, 1964, new codes for teletypewriter transmission of upper wind and raob data were instituted by the World Meteorological Organization.

APPENDIX I

Verification, Punching and Data Publication Programs of Meteorological Service of Canada (MSC)

1. Routine verification of MSC aerological data (prior to card punching but not prior to microfilming) began with January 1, 1950 soundings and is now a continuing program. MSC has no plans to verify data prior to January 1, 1950.
2. MSC routine card punching is into a card form very similar to WBAN #5 standard level cards.
3. MSC is now using such Canadian #5 cards to publish data in tabular formats similar to WBAN-33 as follows:
 - a. Stations south of latitude 70°N.: Monthly Bulletin, Canadian Radiosonde Data. (A monthly periodical which began with January 1959; 50 cents per copy.)
 - b. Stations north of latitude 70°N.: Arctic Summary. (A semiannual periodical which began with January to June 1959; 75 cents per copy.)
4. MSC has also recently published monthly means of aerological data for the years 1954 through 1958 with instrumentation documented in some detail. The title is Summaries of Radiosonde Observations in Canada, 1954-1958. The price is \$1.00. Similar publications, manually compiled under varying formats, cover some years prior to 1954.
5. Miscellaneous
 - a. As in the U. S., scheduled raob times changed from 03 and 15 GMT to 00 and 12 GMT effective June 1, 1957.
 - b. In general, change from relative humidity over ice to relative humidity over water at Canadian operated stations took effect July 1, 1953.
 - c. Effective January 1, 1961, MSC formally took over the aerological program at the five "Joint Arctic" stations. This left only two stations in Canada being operated by U. S. agencies--Argentia and Stephenville, Newfoundland.



CONTIGUOUS UNITED STATES

This map displays the contiguous United States with state boundaries and major cities. Key cities labeled include New York, Boston, Philadelphia, Washington, D.C., Baltimore, New Orleans, Houston, San Antonio, Austin, Dallas, Fort Worth, Phoenix, Tucson, Los Angeles, San Diego, San Francisco, Oakland, Portland, Seattle, and many others. The map also shows major rivers like the Mississippi, Missouri, and Colorado, and the Gulf of Mexico. Latitude and longitude lines are marked, with labels for 125°, 130°, 25°, and 30°.

List of Abbreviations and Codes Used in this Section

Equipment - Principal type of equipment used in radiosonde or rawinsonde observations during the month.

- R Radiosonde equipment only. Original radiosonde observation form (WBAN 31A, B, and C) available with or without wind data. Wind data, if reported, are observed by theodolite and are defined as rabal. In some cases the "R" denotes wind data available, but type of equipment is unknown.
- S Radio Direction Finding equipment (manual tracking such as the SCR-658).
- S5 Radiosonde equipment and SCR-584 (radar tracking equipment).
- G Radio Direction Finding equipment (automatic tracking) such as GMD-1 and 2 and the later modified models of each. Also, printed computer data raobs where noted in footnotes.
- W Radio-theodolite equipment (automatic tracking) WBRT 57 and successors.

Observations - Number of regularly scheduled observations per day.

- M Wind data and equipment known and available, but hours of radiosonde observation unknown and raob forms not available.
- # Less than ten observations for the month.

Period of Record - Indicates "from the beginning" or "to the end" (whichever applies) of the period of record covered by this documentation.

Service - Official meteorological service that operated a station.

- A U. S. Army
- AF U. S. Air Force
- N U. S. Navy
- WB U. S. Weather Bureau
- C Meteorological Service of Canada

MONTGOMERY, ALABAMA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.			55	5	5	5	5	5	5	5	5	5
				M	M	M	M	M	M	M	M	M	M
1947	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1948	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1949	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1950	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1951	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1952	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1953	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1954	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1955	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1956	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1957	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1958	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1959	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1960	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2

REMARKS: 04Z and 16Z - Sept. 1946 thru Jan. 1947; Jan. thru Mar. 1948. 03Z, 09Z and 15Z - Feb. thru May 1950. First Raob plus SCR 658, Mar. 27, 1946; GMDA - May 7, 1953; WBRT-57, Nov. 6, 1959.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN									0	0	0	0	1	0	0	0
1947	RAOB RAWIN	1	0	0	0	3	0	0	0	0	0	0	0	12	0	0	0
1948	RAOB RAWIN	23	0	0	0	32	0	0	0	38	1	1	1	14	0	0	0
1949	RAOB RAWIN	20	0	0	0	68	47	41	2	56	44	30	3	81	65	44	13
1950	RAOB RAWIN	66	55	38	1	77	60	49	16	74	55	47	24	78	64	54	25
1951	RAOB RAWIN	80	63	55	32	85	60	48	16	84	65	52	14	88	65	60	28
1952	RAOB RAWIN	111	76	52	9	143	110	82	22	125	102	75	5	132	80	64	4
1953	RAOB RAWIN	121	90	67	4	165	142	115	5	155	126	103	2	112	74	52	1
1954	RAOB RAWIN	93	61	44	10	120	89	59	6	145	103	64	3	161	128	78	2
1955	RAOB RAWIN	162	99	72	8	167	142	131	20	169	147	122	4	175	151	135	16
1956	RAOB RAWIN	169	142	116	6	149	125	97	12	144	126	94	0	162	151	135	6
1957	RAOB RAWIN	160	132	87	0	158	127	88	0	159	139	112	2	164	152	135	0
1958	RAOB RAWIN	143	124	119	0	132	107	84	0	153	132	107	6	157	141	125	4
1959	RAOB RAWIN	164	115	92	12	180	158	140	14	151	132	126	28	130	100	89	39
1960	RAOB RAWIN	167	146	127	37	183	177	168	60	182	179	166	14	170	158	138	32

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		OIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Montgomery, Ala. (Maxwell Fld.)	13821	32° 24'N	86° 21'W	50	AF	3-1-46	1-31-50				
Montgomery, Ala. (Maxwell Fld.)	13821	32° 24'N	86° 21'W	52	AF	2-1-50	2-17-54				
Montgomery, Ala. (Gunter Fld.)	13801	32° 25'N	86° 14'W	53	AF	12-18-54	6-1-56	6 E			
Montgomery, Ala. (Dannelly Fld.)	13895	32° 18'N	86° 24'W	61	WB	6-1-56	- - -	12 SW			

FORT HUACHUCA, ARIZONA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 3	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	R 2	R 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 1	R 2	R 1	R 1	R 1	R 1	R 1	R 1	R 1	G 1	G 1	G 1

REMARKS: 032, 152, and 212 - May 1955. 122 and 182 - Jul. thru Dec. 1959.
122 and 182 - Feb. 1960. 182 - Jan., Mar. thru Dec. 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN	41	18	10	0	74	41	22	1	64	33	15	0	57	21	9	0
1956	RAOB RAWIN	39	17	9	0	72	36	21	1	57	33	15	0	56	21	9	0
1957	RAOB RAWIN	19	4	1	0	34	19	12	0	58	15	6	0	60	43	32	0
1958	RAOB RAWIN	18	4	1	0	33	18	11	0	58	14	6	0	58	41	30	0
1959	RAOB RAWIN	46	34	22	0	77	58	44	0	45	36	26	0	31	13	8	1
1960	RAOB RAWIN	44	32	22	0	65	49	39	0	45	35	24	0	28	13	8	1
1958	RAOB RAWIN	64	32	14	0	74	48	40	2	58	34	30	6	63	30	19	4
1959	RAOB RAWIN	58	28	12	0	65	41	35	1	50	31	27	5	60	27	16	1
1959	RAOB RAWIN	136	104	88	3	166	158	149	22	72	68	56	7	47	35	32	5
1960	RAOB RAWIN	126	86	61	1	161	91	65	9	70	64	44	6	45	22	17	4

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Fort Huachuca, Ariz.	03124	31° 34' N	110° 20' W	1428	A	1-4-55	6-16-58				
Fort Huachuca, Ariz.	03124	31° 34' N	110° 20' W	1422	A	6-17-58	3-1-59				
Fort Huachuca, Ariz.	03124	31° 34' N	110° 20' W	1423	A	3-2-59	3-23-59				
Fort Huachuca, Ariz.	03124	31° 34' N	110° 20' W	1433	A	3-24-59	- - -				

PHOENIX, ARIZONA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 1											
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	55 3	1 0	0 0	0 0	74 4	1 0	0 0	0 0	88 29	10 3	1 1	0 0	57 12	4 2	1 1	0 0
1947	RAOB RAWIN	22 3	0 0	0 0	0 0	41 9	0 0	0 0	0 0	15 6	0 0	0 0	0 0	13 2	0 0	0 0	0 0
1948	RAOB RAWIN	26 3	0 0	0 0	0 0	55 3	12 2	5 1	1 0	10 2	0 0	0 0	0 0	52 4	8 3	4 3	0 0
1949	RAOB RAWIN	64 0	14 5	5 0	0 0	125 6	55 5	8 2	0 0	107 16	48 12	16 3	0 0	80 18	1 0	0 0	0 0
1950	RAOB RAWIN	58 13	0 0	0 0	0 0	131 14	60 5	13 3	0 0	112 17	42 4	13 0	0 0	115 22	58 8	20 2	0 0
1951	RAOB RAWIN	76 3	36 2	9 2	1 0	142 15	78 8	16 1	0 0	155 28	109 17	60 6	3 2	147 20	106 13	80 10	5 0
1952	RAOB RAWIN	139 8	98 3	45 2	1 0	165 33	126 19	84 11	0 0	161 29	127 19	81 8	0 0	164 19	120 9	73 4	0 0
1953	RAOB RAWIN	165 26	113 18	47 10	0 0	162 20	116 10	36 2	0 0	160 34	134 21	81 9	0 0	167 28	123 14	68 11	0 0
1954	RAOB RAWIN	156 23	130 11	65 4	1 0	170 20	149 10	99 6	0 0	157 30	128 15	64 3	0 0	139 41	100 23	44 5	0 0
1955	RAOB RAWIN	160 26	107 9	13 3	0 0	168 39	132 36	29 6	0 0	155 105	125 77	67 35	0 0	153 72	119 52	48 19	0 0
1956	RAOB RAWIN	170 52	118 34	8 0	0 0	171 73	151 54	28 15	0 0	171 144	151 119	40 32	0 0	167 88	145 69	65 25	0 0
1957	RAOB RAWIN	153 30	119 23	29 3	0 0	171 77	155 68	75 22	1 0	175 140	153 123	69 54	0 0	92 31	80 21	40 7	0 0
1958	RAOB RAWIN	15 7	15 4	13 3	0 0												
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: 002 - Nov. 1957 thru Jan. 1958. First Raob plus SCR 658 - Dec. 10, 1954.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Phoenix, Ariz.	23183	33° 26'N	112° 01'W	339	WB	- - -	1-31-50				
Phoenix, Ariz.	23183	33° 26'N	112° 01'W	338	WB	2-1-50	11-30-52				
Phoenix, Ariz.	23183	33° 26'N	112° 01'W	341	WB	12-1-52	1-15-58				

TUCSON, ARIZONA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.				S	S	S	S	S	S	S	S	S
1947	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1948	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1949	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1950	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1951	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1952	EQUIP. OBS.	S	G	G	G	G	G	G	G	G	G	G	G
1953	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1954	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1955	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1956	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1957	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1958	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1959	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1960	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G

REMARKS: 042 and 162 - May thru Aug. 1946, Jan. 1947 thru Feb. 1948.
162 - Sept. thru Dec. 1946. 032, 092, and 152 - Feb. thru May 1950.
First GMDI - Jan. 22, 1952; GMDIA - Sept. 17, 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN					5	0	0	0	4	0	0	0	5	0	0	0
1947	RAOB RAWIN					3	0	0	0	0	0	0	0	17	0	0	0
1948	RAOB RAWIN	48	0	0	0	61	2	0	0	50	5	3	3	6	0	0	0
1949	RAOB RAWIN	23	0	0	0	59	16	10	1	60	42	26	4	82	46	25	4
1950	RAOB RAWIN	52	26	11	1	77	63	55	8	89	67	55	16	99	79	68	17
1951	RAOB RAWIN	91	70	51	14	89	71	63	15	83	54	41	2	88	58	43	8
1952	RAOB RAWIN	105	75	52	2	159	126	104	8	166	132	88	9	149	123	100	3
1953	RAOB RAWIN	124	86	56	4	117	85	70	2	107	79	61	6	124	73	60	0
1954	RAOB RAWIN	108	61	53	3	99	69	61	2	95	68	58	1	86	52	41	0
1955	RAOB RAWIN	109	60	39	3	169	142	115	10	162	132	120	9	173	137	126	25
1956	RAOB RAWIN	171	132	95	16	310	238	95	6	265	198	68	0	289	236	90	0
1957	RAOB RAWIN	315	275	131	0	319	252	87	0	317	274	153	15	175	146	95	6
1958	RAOB RAWIN	171	156	124	0	170	163	134	10	179	168	146	7	175	164	144	8
1959	RAOB RAWIN	167	159	132	2	176	170	141	5	181	167	136	14	169	155	136	37
1960	RAOB RAWIN	156	141	129	63	174	166	150	62	181	177	160	12	176	172	152	5

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Tucson, Ariz. (Davis Monthan AFB)	23109	32° 10'N	110° 54'W	811	AP	5-15-46	3-1-56				
Tucson, Ariz. (Municipal AP)	23160	32° 08'N	110° 57'W	783	WB	3-1-56	7-31-57	4 WSW			
Tucson, Ariz. (Municipal AP)	23160	32° 08'N	110° 57'W	781	WB	3-1-57	9-30-58				
Tucson, Ariz. (Municipal AP)	23160	32° 07'N	110° 56'W	781	WB	10-1-58	11-1-58	1 SE			
Tucson, Ariz. (Municipal AP)	23160	32° 07'N	110° 56'W	790	WB	11-2-58	11-8-58				
Tucson, Ariz. (Municipal AP)	23160	32° 07'N	110° 56'W	789	WB	11-9-58	- - -				

YUMA, ARIZONA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.							G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN									63 59	36 33	23 22	1 1	69 67	44 43	33 32	2 1
1956	RAOB RAWIN	77 73	56 54	51 48	2 2	93 82	59 54	48 44	3 2	61 55	33 30	22 20	1 1	120 106	92 79	70 57	1 1
1957	RAOB RAWIN	83 64	52 32	36 18	0 0	96 77	69 40	54 24	0 0	87 75	67 60	41 34	0 0	61 53	39 35	27 23	1 1
1958	RAOB RAWIN	71 60	41 39	35 30	5 4	100 91	79 74	48 41	10 4	132 126	98 95	51 45	5 4	116 109	51 49	35 30	0 0
1959	RAOB RAWIN	131 130	82 77	60 59	0 0	169 168	148 148	130 129	13 6	148 148	128 128	119 119	18 14	122 123	99 100	83 84	21 14
1960	RAOB RAWIN	139 133	123 117	116 109	28 16	135 135	115 114	106 106	13 6	155 156	141 142	124 124	4 4	142 139	122 120	115 113	0 0

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Yuma, Ariz. (Yuma Test Station)	03125	32° 51'N	114° 24'W	106*	A	7- 1-55	8-31-56				
Yuma, Ariz. (Yuma Test Station)	03125	32° 50'N	114° 24'W	106*	A	9- 1-56	9-17-58	1 S			
Yuma, Ariz. (Yuma Test Station)	03125	32° 52'N	114° 20'W	135	A	9-18-58	9-19-58	4 NE			
Yuma, Ariz. (Yuma Test Station)	03125	32° 52'N	114° 20'W	131	A	9-19-58	- - -				
*Sometimes listed as 98 meters											

BLYTHEVILLE, ARKANSAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.		G 3	G 3	G 3								
1958	EQUIP. OBS.		G 2	G 4	G 4								
1959	EQUIP. OBS.												
1960	EQUIP. OBS.	G 2	G 2	G 4	G 2								

REMARKS: 09Z, 15Z, and 21Z - Mar. thru May 1957.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN	29 22	27 21	26 20	16 14	54 45	53 44	52 48	31 30								
1958	RAOB RAWIN	56 56	47 47	38 36	10 9	101 96	90 86	80 75	2 2								
1959	RAOB RAWIN																
1960	RAOB RAWIN	86 68	70 61	64 56	19 15	101 99	99 97	95 93	53 37								

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Blytheville, Ark., AFB	13814	35° 18'N	89° 57'W	77	AF	3- 1-57	2-14-60				
Blytheville, Ark., AFB	13814	35° 18'N	89° 57'W	80	AF	2-15-60	5-22-60				

FORT SMITH, ARKANSAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.			S	S	G	G	G	G	G			
			4	4	4	4	4	4	4	4			
1954	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
		3	3	3	3	3	3	3	3	3	3	2	2
1955	EQUIP. OBS.	G	G	G	G	G	G	G	G	G			
		2	3	3	3	3	3	3	3	3			
1956	EQUIP. OBS.	G	G	G	G	G							
		3	3	3	3	3							
1957	EQUIP. OBS.	G	G	G	G	G	G						
		3	3	3	3	3	3						
1958	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G		
		3	3	4	4	4	4	3	3	3	3		
1959	EQUIP. OBS.	G	G	G	G	G	G	G	G	G			
		3	4	4	3	3	3	3	4				
1960	EQUIP. OBS.	G	G	G	G								
		2	3	4	4	2							

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN	23 1	17 0	13 0	1 0	172 113	147 83	104 67	8 4	176 167	161 139	138 125	26 25				
1954	RAOB RAWIN	114 105	70 62	59 48	17 15	175 168	156 133	145 125	79 74	175 169	162 158	158 156	64 64	166 138	129 68	95 50	12 10
1955	RAOB RAWIN	144 74	91 40	72 28	12 2	168 159	150 133	131 110	18 15	139 135	132 131	119 118	7 5				
1956	RAOB RAWIN	89 77	80 70	61 54	20 18	169 156	157 148	140 135	20 17								
1957	RAOB RAWIN	86 77	78 70	75 54	54 39	173 154	163 149	163 149	96 78	84 81	78 76	74 72	65 62				
1958	RAOB RAWIN	79 54	50 36	37 27	0 0	173 164	151 142	133 129	7 6	170 168	154 150	125 124	12 12	28 27	23 22	17 17	0 0
1959	RAOB RAWIN	90 66	84 67	72 60	13 5	182 179	179 177	153 147	20 8	168 162	155 147	127 122	14 7				
1960	RAOB RAWIN	89 55	81 56	71 56	19 10	117 110	109 104	104 95	22 9								

REMARKS: 02Z, 08Z, 14Z, and 20Z - Jun. thru Sept. 1953. 02Z, 14Z, and 20Z - Apr. thru Oct. 1954. 02Z and 14Z - Nov. and Dec. 1954. 02Z and 15Z - Jan. 1955. 03Z, 15Z, and 21Z - Feb. thru Sept. 1955. 09Z, 15Z, and 21Z - Jan. thru Dec. 1956. Feb. and Mar. 1957. 08Z, 14Z, and 20Z - Apr. and May 1957. 06Z, 12Z, and 18Z - Jun. thru Aug. 1957. 00Z, 12Z, and 18Z - Feb., Mar., and Aug. thru Oct. 1958. May thru Aug. 1959, and Mar. 1960. 00Z, 06Z, and 12Z - Feb. 1959. First GMDA - Apr. 23, 1953.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Fort Smith, Ark. (Camp Chaffee)	03926	35° 20'N	94° 22'W	146	A	3-17-53	2-14-56				
Fort Smith, Ark. (Camp Chaffee)	03926	35° 18'N	94° 19'W	147	A	2-15-56	12-31-56	4 SE			
Fort Smith, Ark. (Camp Chaffee)	03926	35° 20'N	94° 22'W	147	A	1- 1-57	2-14-57	4 NW			
Fort Smith, Ark. (Camp Chaffee)	03926	35° 20'N	94° 22'W	140	A	2-15-57	2-14-58				
Fort Smith, Ark. (Camp Chaffee)	03926	35° 18'N	94° 18'W	146	A	2-15-58	6- 1-60	5 SE			

LITTLE ROCK, ARKANSAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	S 4	S 2	S 2	R 2	R 2	R 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	R 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	90	3	0	0	84	3	0	0	57	0	0	0	29	6	0	0
1947	RAOB RAWIN	2	0	0	0	2	0	0	0	4	0	0	0	17	7	0	0
1948	RAOB RAWIN	5	0	0	0	67	10	0	0	50	3	0	0	41	20	9	0
1949	RAOB RAWIN	47	12	1	0	103	50	14	0	125	46	5	0	78	7	1	0
1950	RAOB RAWIN	76	21	9	0	88	27	4	0	134	42	11	0	125	56	16	0
1951	RAOB RAWIN	124	65	31	0	149	82	34	1	144	112	62	0	116	75	39	1
1952	RAOB RAWIN	116	52	12	0	143	107	59	1	157	128	56	0	154	115	52	1
1953	RAOB RAWIN	148	88	49	0	160	111	47	0	170	148	54	0	165	111	42	0
1954	RAOB RAWIN	162	105	35	1	150	116	63	1	147	129	75	0	168	129	75	0
1955	RAOB RAWIN	149	97	65	0	150	113	40	1	145	130	33	1	123	86	29	0
1956	RAOB RAWIN	146	113	35	1	151	134	28	0	157	140	56	0	152	134	66	2
1957	RAOB RAWIN	149	119	39	0	162	150	92	0	169	149	92	1	140	106	62	0
1958	RAOB RAWIN	141	112	73	0	178	165	116	0	183	173	152	3	121	86	76	6
1959	RAOB RAWIN	114	89	80	17	180	166	153	9	146	131	115	16	143	126	113	18
1960	RAOB RAWIN	160	145	131	14	175	166	157	16	173	168	155	6	179	170	155	11

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERV-ICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS			
						FROM	TO		NAME	FROM	TO	
Little Rock, Ark.	13963	34° 44'N	92° 14'W	79	WB	- - -	1-28-55					
Little Rock, Ark.	13963	34° 44'N	92° 14'W	87	WB	1-29-55	12-22-56					
Little Rock, Ark.	13963	34° 44'N	92° 14'W	79	WB	12-23-56	- - -					

AUBURN, CALIFORNIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.							R 1	R 1	R 1	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 1	R 1	R 1	R 1	R 1	R 1	R 1
1948	EQUIP. OBS.	R 1	R 1	R 1	R 2								
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 04Z - Jul. thru Sept. 1946, Jun. 1947 thru Mar. 1948.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN									14 0	0 0	0 0	0 0	68	4	1	0
1947	RAOB RAWIN	47	0	0	0	52	0	0	0	12	0	0	0	7	0	0	0
1948	RAOB RAWIN	19	0	0	0	17	4	0	0								
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Auburn, Calif.	23224	38° 57'N	121° 04'W	501	WB	7-3-46	4-5-48				

BAKER, CALIFORNIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.				G 4	G 4	G 4	G 4	G 4	G 4			
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN					121 115	0 0	0 0	0 0	172 170	0 0	0 0	0 0				
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WEAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Baker, Calif.	03134	35° 16' N	116° 05' W	284	AP	4-22-57	9-28-57				

CHINA LAKE, CALIFORNIA TOWER 8, G-1 RANGE

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1949	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1950	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1951	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1952	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1953	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1954	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1955	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1956	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1957	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1958	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1959	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1960	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	1	0	0	0	1	0	0	0								
1947	RAOB RAWIN	0	0	0	0	1	0	0	0								
1948	RAOB RAWIN													2	0	0	0
1949	RAOB RAWIN	9	0	0	0	7	4	1	0	4	1	1	1	1	1	1	0
1950	RAOB RAWIN	11	1	0	0	6	2	2	0	2	0	0	0	2	0	0	0
1951	RAOB RAWIN	0	0	0	0	9	4	1	0	5	1	0	0	6	0	0	0
1952	RAOB RAWIN	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
1953	RAOB RAWIN	0	0	0	0	11	5	3	0	17	9	5	0	1	0	0	0
1954	RAOB RAWIN	9	2	0	0	17	4	1	0	48	21	6	0	44	31	10	0
1955	RAOB RAWIN	50	18	0	0	26	13	3	0	23	13	9	0	8	2	1	0
1956	RAOB RAWIN	9	6	4	0	9	5	1	0								
1957	RAOB RAWIN					3	1	0	0								
1958	RAOB RAWIN					44	25	13	0	34	17	13	0	28	14	7	0
1959	RAOB RAWIN	31	16	9	0	11	8	3	0								
1960	RAOB RAWIN	5	2	1	0	0	0	0	0								

REMARKS: WBAN 31 A's and B's on microfilm only. WBAN 31 A's and B's not checked after June 1956. WBAN 33's will not be made after June 1956. X-in filing cabinet unchecked - Jul. thru Dec. 1960. Times of obs. are varied. First CHD1 - Jun. 17, 1954. Last CHD1 - Sept. 28, 1954. First CHD1A - Sept. 9, 1958. Last CHD1A - Oct. 31, 1958.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Inyokern, Calif. (B-1 Range)	03120	35° 47' N	117° 47' W	687	N	7-9-47	3-9-54				
China Lake, Calif. (Tower 8, G-1 Range)	03120	35° 46' N	117° 41' W	670	N	3-10-54	12-31-56	6 R			
China Lake, Calif. (Tower 8, G-1 Range)	03120	35° 46' N	117° 41' W	666	N	1-1-57	- - -		Also see: China Lake, Calif. (U. S. MAP)		

CHINA LAKE, CALIFORNIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 1	R 1	R 1	R 1								
1947	EQUIP. OBS.							R 2					
1948	EQUIP. OBS.											R 1	R 2
1949	EQUIP. OBS.	R 2	R 1	R 1	R 1	R 1	R 1			R 1		R 1	R 1
1950	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1
1951	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1
1952	EQUIP. OBS.	R 2	R 2	R 1	R 2		R 1	R 3			R 1	R 1	R 1
1953	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1
1954	EQUIP. OBS.	R 1	R 1	R 2	R 1	R 1	R 1	R 2	R 1	R 1	R 1	R 1	R 1
1955	EQUIP. OBS.	R 1	R 2	R 1	R 1	R 1			R 1	R 1	R 1	R 1	R 1
1956	EQUIP. OBS.	R 1	R 1	R 1	R 1								
1957	EQUIP. OBS.				R 1								
1958	EQUIP. OBS.				R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1
1959	EQUIP. OBS.	R 1	R 1	R 1	R 1								
1960	EQUIP. OBS.												

REMARKS: Times of Obs. are varied.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN	18	4	3	0	5	0	0	0	1	0	0	0	5	1	1	0
1949	RAOB RAWIN	18	1	0	0	24	6	4	0	26	5	4	0	24	5	2	1
1950	RAOB RAWIN	11	2	2	1	22	9	3	0	17	1	0	0	9	4	4	1
1951	RAOB RAWIN	37	18	5	1	13	6	3	0	18	12	7	0	2	1	0	0
1952	RAOB RAWIN	10	1	1	0	11	6	1	0	28	21	7	1	14	12	6	0
1953	RAOB RAWIN	23	20	10	0	17	7	3	0	38	25	16	2	33	27	25	2
1954	RAOB RAWIN	36	26	14	0	33	20	13	1	22	9	7	0	30	17	14	1
1955	RAOB RAWIN	29	25	19	0	21	10	3	0	8	4	2	0	28	19	13	0
1956	RAOB RAWIN	28	17	9	0	29	23	14	1								
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
China Lake, Calif. (U. S. NAF)	93104	35° 41'N	117° 41'W	676	N	- - -	11-3-55				
China Lake, Calif. (U. S. NAF)	93104	35° 41'N	117° 41'W	677	N	11-4-55	4-30-59		Also see: China Lake, Calif. (Tower 8, G-1 Range)		

EDWARDS, CALIFORNIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.			S 2	S 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	S 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	S 2	S 2
1952	EQUIP. OBS.	S 2	G 2	G 3	G 3	G 1	G 2	G 2	G 2	G 2	G 2	G 2	G 1
1953	EQUIP. OBS.	G 1	G 1	G 2	G 1	G 1	G 1	G 2	G 2	G 2	G 2	G 2	G 2
1954	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 3	G 4	G 2	G 1	G 4	G 2	G 2	G 2
1955	EQUIP. OBS.	G 2	G 2	G 4	G 4	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 1	G 1	G 1
1957	EQUIP. OBS.	G 1	G 1	G 1	G 4	G 4	G 4	G 4	G 4	G 4	G 2	G 2	G 2
1958	EQUIP. OBS.	G 1	G 2	G 2	G 1	G 2	G 2	G 2	G 2	G 2	G 2	G 3	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 1
1960	EQUIP. OBS.	G 1	G 3	G 1	G 1	G 1	G 2	G 2	G 1	G 2	G 2	G 2	G 1

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN	2	2	0	0	10	8	4	2	19	14	9	0	37	28	15	0
1951	RAOB RAWIN	8	5	3	2	36	27	18	5	25	12	4	1	32	24	15	1
1952	RAOB RAWIN	48	38	34	0	19	15	13	2	5	4	2	0	3	0	1	0
1953	RAOB RAWIN	2	1	0	0	14	11	0	0	4	4	0	0				
1954	RAOB RAWIN	1	1	0	0												
1955	RAOB RAWIN	77	67	51	10	75	78	53	7	8	8	6	1				
1956	RAOB RAWIN	76	66	50	7	74	66	52	5	1	1	0	0				
1957	RAOB RAWIN	3	3	3	0												
1958	RAOB RAWIN	1	1	1	0												
1959	RAOB RAWIN	65	63	56	6	132	129	121	37	174	157	148	23	78	65	64	1
1960	RAOB RAWIN	56	56	52	4	132	129	120	35	174	156	147	19	75	65	63	1
1959	RAOB RAWIN	34	33	33	20	42	42	42	29	50	50	50	32	34	34	34	6
1960	RAOB RAWIN	31	32	32	12	42	42	42	26	49	49	49	27	34	34	34	4
1960	RAOB RAWIN	42	41	41	12	21	21	20	0	32	32	32	16				
1960	RAOB RAWIN	38	38	38	5	21	21	20	0	32	32	32	14				

REMARKS: Times of obs. are varied.
First GMD1 - Feb. 13, 1952; GMD1A - Sept. 24, 1953.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Edwards, Calif. (Edwards AFB Maroc)	23114	34° 54'N	117° 53'W	695	AF	3- 8-50	3-20-56				
Edwards, Calif. (Edwards AFB Maroc)	23114	34° 56'N	117° 54'W	725	AF	3-21-56	9-30-60	2 NMW			

LONG BEACH, CALIFORNIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.			S	S	S	S	S	S	S	S	S	S
1948	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1949	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1950	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1951	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1952	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1953	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1954	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1955	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1956	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: Times of obs. are varied.
First GMDIA - Apr. 1, 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN	0	0	0	0	22	0	0	0	35	0	0	0	38	0	0	0
1948	RAOB RAWIN	15	0	0	0	26	0	0	0	21	0	0	0	5	0	0	0
1949	RAOB RAWIN	13	3	0	0	47	0	0	0	43	5	3	2	43	24	13	3
1950	RAOB RAWIN	55	30	14	6	62	40	27	8	72	40	30	8	72	45	25	6
1951	RAOB RAWIN	91	27	16	7	69	13	5	2	124	65	47	9	84	33	24	4
1952	RAOB RAWIN	114	83	60	14	151	120	86	17	129	97	76	9	53	35	15	1
1953	RAOB RAWIN	58	21	10	0	101	65	38	2	107	52	30	0	117	84	55	0
1954	RAOB RAWIN	98	54	18	0	114	61	21	1	96	52	23	0	92	27	6	0
1955	RAOB RAWIN	118	25	3	0	167	123	78	8	167	151	103	10	167	127	110	3
1956	RAOB RAWIN	156	113	83	1	28	16	13	0	162	148	100	10	164	123	106	3
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Long Beach, Calif.	23129	33° 49'N	118° 09'W	20	AF	3-10-47	4-16-53				
Long Beach, Calif.	23129	33° 50'N	118° 09'W	20	AF	4-17-53	12-31-55	1 N			
Long Beach, Calif.	23129	33° 50'N	118° 09'W	18	AF	1- 1-56	4-16-56	22 NW	Santa Monica, Calif. (Clover Fld.)	4-17-56	- - -

MERCED, CALIFORNIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.											S 4	
1951	EQUIP. OBS.	S 4	S 4									S 4	
1952	EQUIP. OBS.	S 4	S 4									S 4	
1953	EQUIP. OBS.	S 4	S 4									G 2	G 2
1954	EQUIP. OBS.	G 2	G 2	G 2			G 2					G 2	G 2
1955	EQUIP. OBS.									G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2							G 3	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2								G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2							G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2								

REMARKS: First GMDIA - Nov. 1, 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN													4	1	0	0
1951	RAOB RAWIN													36 10	24 3	16 2	2 1
1952	RAOB RAWIN	68 18	45 11	34 9	5 0									42 20	23 11	16 4	2 0
1953	RAOB RAWIN	54 9	36 3	23 1	7 0									107 105	77 75	55 55	4 4
1954	RAOB RAWIN	104 101	70 70	42 42	1 1					2 2	0 0	0 0	0 0				
1955	RAOB RAWIN									24 24	18 15	12 8	0 0	81 79	46 43	28 25	0 0
1956	RAOB RAWIN	80 79	56 53	37 36	3 2	118 118	82 82	66 65	3 3	121 120	65 65	48 48	2 2	79 79	49 49	35 35	0 0
1957	RAOB RAWIN	121 121	82 82	45 45	0 0	14 14	11 11	8 8	0 0					109 106	95 93	84 80	66 61
1958	RAOB RAWIN	134 115	126 108	112 97	51 39									115 110	93 87	73 69	23 23
1959	RAOB RAWIN	158 149	123 118	98 93	10 6	28 27	21 21	16 15	0 0					119 110	111 104	97 91	18 7
1960	RAOB RAWIN	182 166	167 157	148 140	3 0	8 7	8 7	7 7	0 0								

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Merced, Calif. (Castle AFB)	23203	37° 22'N	120° 34'W	56	AF	12-2-50	4-4-60				

OAKLAND, CALIFORNIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1955	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1956	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1957	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1958	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1959	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1960	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2

REMARKS: First Raob plus SCR 658 - Apr. 1, 1948; GNDIA - Oct. 1, 1954.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	30 5	4 0	0 0	0 0	39 22	0 0	0 0	0 0	51 31	1 0	1 0	0 0	20 12	2 2	2 2	1 1
1947	RAOB RAWIN	10 3	0 0	0 0	0 0	14 6	0 0	0 0	0 0	8 6	1 0	0 0	0 0	24 8	1 0	0 0	0 0
1948	RAOB RAWIN	63 11	23 2	1 0	0 0	94 18	37 3	10 1	0 0	136 59	64 28	28 7	0 0	89 21	42 11	18 4	0 0
1949	RAOB RAWIN	92 14	37 7	16 2	0 0	150 53	77 18	46 9	1 0	122 36	65 8	28 5	0 0	39 4	1 0	0 0	0 0
1950	RAOB RAWIN	49 9	0 0	0 0	0 0	117 38	45 7	11 3	1 0	133 29	28 5	7 0	0 0	113 1	62 0	26 0	0 0
1951	RAOB RAWIN	121 11	64 0	29 0	0 0	156 29	98 4	45 0	1 0	170 17	127 3	81 0	2 0	149 17	111 0	70 0	0 0
1952	RAOB RAWIN	127 9	93 2	58 1	0 0	134 9	97 0	60 0	2 0	159 35	136 10	90 6	0 0	155 26	122 0	53 0	1 0
1953	RAOB RAWIN	136 8	81 1	32 0	0 0	156 21	116 4	63 1	0 0	168 36	139 6	80 2	0 0	151 14	133 1	79 0	1 0
1954	RAOB RAWIN	157 15	126 3	72 1	0 0	170 23	148 6	88 3	0 0	167 26	139 8	70 1	0 0	79 75	40 33	28 26	0 0
1955	RAOB RAWIN	108 108	73 70	43 43	2 0	160 159	138 135	102 100	1 0	298 304	233 184	184 10	13 241	236 190	185 109	133 3	11 3
1956	RAOB RAWIN	219 213	161 165	98 81	1 1	269 165	210 138	135 103	7 4	287 287	219 220	159 155	11 9	238 238	167 166	103 89	0 0
1957	RAOB RAWIN	196 194	135 137	62 53	10 7	285 281	226 231	102 96	10 8	326 331	286 291	142 137	34 14	139 148	107 120	71 65	17 3
1958	RAOB RAWIN	151 137	126 114	63 52	22 8	166 195	147 169	115 108	33 22	166 174	147 157	90 85	11 9	179 179	157 159	97 86	31 15
1959	RAOB RAWIN	170 163	164 157	142 132	13 4	180 178	171 170	158 154	37 27	175 175	170 170	156 153	19 14	160 151	146 140	134 126	36 23
1960	RAOB RAWIN	176 162	160 152	147 134	70 43	166 159	153 145	133 119	20 11	177 175	162 162	140 139	6 2	165 162	161 157	136 118	3 1

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Oakland, Calif. (WBAS)	23230	37° 44'N	122° 12'W	8	WB	- - -	12-31-50				
Oakland, Calif. (WBAS)	23230	37° 44'N	122° 12'W	6	WB	1-1-51	- - -				

POINT ARGUELLO, CALIFORNIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN									183 357	180 347	165 301	70 82	184 339	172 290	171 277	125 140
1960	RAOB RAWIN	211 344	167 300	157 271	128 182	204 368	191 338	182 310	161 244	207 252	197 236	193 223	145 165	217 377	207 349	200 332	166 212

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Point Arguello, Calif.	93215	34° 40'N	120° 35'W	113	WB	7-1-59	- - -	16 SW	Santa Maria, Calif.(WBAS)	- - -	6-30-59

POINT MUGU, CALIFORNIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.											R 1	
1948	EQUIP. OBS.	R 2	R 1	R 1	R 1	R 2	R 1	R 2	R 2	R 2	R 2	R 3	R 2
1949	EQUIP. OBS.						R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 3	R 2	R 2		R 2							
1951	EQUIP. OBS.												
1952	EQUIP. OBS.	R 1	R 2	R 1	R 1	R 1	R 1	R 2	R 2	R 1	R 2	R 1	R 2
1953	EQUIP. OBS.	R 1	R 2	R 1	R 2	R 2	R 2					R 2	
1954	EQUIP. OBS.	R 2		R 2	R 1	R 1	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1955	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1956	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 1	R 1	R 1	R 1	R 1	R 1	R 1
1957	EQUIP. OBS.	G 2	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1
1958	EQUIP. OBS.	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1
1959	EQUIP. OBS.	G 1	G 1	G 1				G 1	G 1				
1960	EQUIP. OBS.				G 1	G 1	G 1	G 1					

REMARKS: Times of nbs. are varied.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN					9	7	3	0	20	9	2	0	18	9	7	0
1953	RAOB RAWIN	20	9	4	0	62	42	19	0								
1954	RAOB RAWIN	17	11	5	0	51	37	24	0	60	50	38	1	69	62	50	0
1955	RAOB RAWIN	28	24	21	0	20	15	6	0	49	38	20	1	44	25	20	0
1956	RAOB RAWIN	35	15	2	0	23	10	0	0	65	50	33	0	54	45	35	0
1957	RAOB RAWIN	30	21	7	0	18	14	9	0	8	5	3	0	31	18	12	0
1958	RAOB RAWIN	26	20	6	0	15	11	5	0	7	5	2	0	24	16	10	0
1959	RAOB RAWIN	31	29	12	0	25	11	5	0	32	20	7	0	17	15	9	0
1960	RAOB RAWIN	26	21	8	0	25	9	5	0	29	17	6	0	17	13	9	0

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Point Mugu, Calif.	93111	34° 07'N	119° 07'W	18	N	11-2-47	10-19-56				
Point Mugu, Calif.	93111	34° 07'N	119° 07'W	23	N	10-20-58	1-4-59				
Point Mugu, Calif.	93111	34° 07'N	119° 07'W	25	N	1-5-59	3-31-60				
Point Mugu, Calif.	93111	34° 07'N	119° 07'W	4	N	4-1-60	8-31-60				

SAN DIEGO, CALIFORNIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1954	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1955	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	50	0	0	0	79	0	0	0	35	0	0	0	4	0	0	0
1947	RAOB RAWIN	13	0	0	0	12	0	0	0	25	2	0	0	12	2	0	0
1948	RAOB RAWIN	52	18	8	0	130	90	61	9	39	14	3	0	39	13	6	0
1949	RAOB RAWIN	35	21	7	2	22	7	2	0	46	16	4	0	36	10	6	0
1950	RAOB RAWIN	33	18	9	2	70	33	22	2	81	53	36	5	70	31	18	2
1951	RAOB RAWIN	55	24	10	0	72	17	6	0	61	22	8	0	76	26	8	0
1952	RAOB RAWIN	36	13	5	0	76	40	17	0	102	70	51	2	101	64	53	1
1953	RAOB RAWIN	126	66	60	1	131	70	60	3	128	94	75	0	109	63	51	1
1954	RAOB RAWIN	91	62	51	1	173	164	144	0	138	125	101	0	126	102	66	1
1955	RAOB RAWIN	128	91	59	0	149	126	106	0	158	129	104	0	149	119	60	0
1956	RAOB RAWIN	111	75	42	0	121	86	48	1	160	147	98	5	161	141	94	3
1957	RAOB RAWIN	157	125	77	3	173	155	101	0	178	163	137	14	172	155	128	35
1958	RAOB RAWIN	174	155	90	21	174	168	127	22	187	180	153	30	181	163	146	46
1959	RAOB RAWIN	179	172	161	17	177	166	145	15	178	169	137	15	168	149	129	51
1960	RAOB RAWIN	162	131	127	66	179	175	166	60	182	178	169	40	182	181	170	23

REMARKS: First GMD - Apr. 13, 1957.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
San Diego, Calif.	93112	32° 44'N	117° 10'W	11	N	- - -	12-31-49				
San Diego, Calif.	93112	32° 43'N	117° 13'W	11	N	1- 1-50	12-31-52	3 W			
San Diego, Calif. (Montgomery)	93112	32° 42'N	117° 12'W	11	N	1- 1-53	6-15-56	1 ESE			
San Diego, Calif.	03131	32° 49'N	117° 08'W	124	WB	6-16-56	- - -	8 NNE			

SAN NICHOLAS ISLAND, CALIFORNIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	OBS
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.									G 1#	G 2	G 1	G 2
1953	EQUIP. OBS.	G 2#	G 1#	G 2	G 1	G 1	G 2	G 2	G 2	G 2	G 2	G 3	G 2
1954	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 1	G 2
1955	EQUIP. OBS.	G 2#	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2#
1956	EQUIP. OBS.	G 1	G 1	G 1	G 1#	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1
1957	EQUIP. OBS.	G 2	G 1	G 2	G 1	G 2	G 2	G 2	G 2	G 2	G 2	G 1	G 1
1958	EQUIP. OBS.	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1
1959	EQUIP. OBS.	G 2	G 2	G 1	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

REMARKS: 152 - Sept. thru Nov. 1952. 152 and 222 - Oct. 1952. 152 and 212 - Dec. 1952. Times of obs. are varied - 1953 thru 1960. First GMD18 Apr. 5, 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN									5	5	5	1	24	19	13	0
1953	RAOB RAWIN	4	2	1	0					58	56	46	0	38	34	25	0
1954	RAOB RAWIN	42	33	24	1	24	15	11	1	35	25	14	0	35	28	18	0
1955	RAOB RAWIN	49	41	27	0	60	46	8	0	60	49	23	0	42	29	19	0
1956	RAOB RAWIN	37	26	6	0	17	9	1	0	40	28	16	0	67	63	46	0
1957	RAOB RAWIN	58	53	46	0	52	47	22	0	55	38	16	0	59	42	25	0
1958	RAOB RAWIN	70	59	39	0	67	58	49	0	67	48	20	0	44	33	15	1
1959	RAOB RAWIN	62	52	42	7	87	80	77	18	74	72	69	38	82	81	69	54
1960	RAOB RAWIN	71	69	42	70	70	69	57	71	71	71	71	39	39	39	39	36

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		OIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
San Nicholas Island, Calif.	93116	33° 14'N	119° 27'W	180	N	9-17-52	2-1-53				
San Nicholas Island, Calif.	93116	33° 14'N	119° 27'W	174	N	2-2-53	- - -				

SANTA MARIA, CALIFORNIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	S 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	23	0	0	0	78	4	0	0	72	5	0	0	28	0	0	0
1947	RAOB RAWIN	8	0	0	0	9	0	0	0	1	0	0	0	8	0	0	0
1948	RAOB RAWIN	39	5	0	0	87	24	0	0	127	64	33	0	90	27	12	0
1949	RAOB RAWIN	104	41	12	0	157	80	35	0	75	4	1	0	72	0	0	0
1950	RAOB RAWIN	60	4	3	0	126	45	13	0	148	46	11	0	141	79	34	0
1951	RAOB RAWIN	127	72	41	1	172	116	57	2	177	135	85	10	150	111	59	0
1952	RAOB RAWIN	155	118	77	0	174	151	111	2	173	140	97	1	166	128	63	0
1953	RAOB RAWIN	159	107	51	0	177	144	64	0	173	146	71	0	176	139	68	0
1954	RAOB RAWIN	166	137	74	0	176	166	102	0	171	154	82	0	176	130	59	0
1955	RAOB RAWIN	163	114	19	0	216	183	80	0	149	125	45	1	144	114	38	0
1956	RAOB RAWIN	166	141	21	0	171	156	39	0	171	160	52	1	162	136	63	0
1957	RAOB RAWIN	150	119	44	0	169	155	61	1	166	147	76	0	176	155	83	0
1958	RAOB RAWIN	162	154	73	0	170	158	77	0	175	168	145	1	178	170	149	3
1959	RAOB RAWIN	177	175	161	24	176	170	155	12	117	142	115	0	129	123	106	0
1960	RAOB RAWIN	74	73	67	0	101	99	82	3								

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Santa Maria, Calif. (WRAS)	23236	34° 56' N	120° 25' W	71	WB	- - -	10-21-54				
Santa Maria, Calif.	23273	34° 56' N	120° 27' W	73	WB	10-22-54	10-23-54	2 SSW			
Santa Maria, Calif.	23273	34° 56' N	120° 27' W	74	WB	10-24-54	6-30-59	16 SW	Point Arguello, Calif.	7-1-59	- - -

SANTA MONICA, CALIFORNIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.					G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1957	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN					97 85	63 55	49 46	3 1	271 278	199 199	137 137	16 17	326 311	291 278	229 200	1 0
1957	RAOB RAWIN	330 263	288 234	209 149	23 12	344 161	307 148	101 81	0 0	357 356	330 332	291 287	29 24	169 320	147 267	123 190	40 30
1958	RAOB RAWIN	173 289	156 240	138 182	30 14	171 316	163 285	148 216	37 35	178 349	172 334	156 261	33 25	180 351	175 336	168 297	89 62
1959	RAOB RAWIN	171 310	152 275	123 202	50 47	179 341	169 322	149 256	41 23	179 349	170 329	149 251	10 9	169 334	157 293	141 242	47 41
1960	RAOB RAWIN	182 322	158 277	146 236	84 77	180 348	172 323	159 273	56 66	182 351	176 328	159 259	31 29	183 352	177 336	166 276	54 19

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Santa Monica, Calif. (Clover Fld.)	93197	34° 01'N	116° 27'W	38	WB	4-17-56	- - -	22 NM	Long Beach, Calif.	3-10-47	4-16-56

VANDENBERG AFB, CALIFORNIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	OEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.						G 2	G 2	G 1	G 2	G 2	G 2	G 4
1959	EQUIP. OBS.	G 3	G 4	G 3	G 4	G 4	G 3	G 3	G 3	G 4	G 3	G 4	G 3
1960	EQUIP. OBS.	G 3	G 3	G 4									

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN									62 60	55 53	50 47	22 20	51 44	50 44	48 43	34 32
1959	RAOB RAWIN	91 88	88 85	80 76	27 21	115 113	113 111	104 102	58 46	114 111	111 109	106 104	54 39	111 105	105 101	99 91	54 36
1960	RAOB RAWIN	77 72	70 67	64 62	33 20												

REMARKS: 18Z - Aug. 1958. 06Z and 18Z - Jan., Mar., Jul., Aug., Oct., and Dec. 1959, Jan. and Feb. 1960. Times of other obs. are varied.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Vandenberg, Calif. (Cooke AFB)	93214	34° 43'N	120° 34'W	123	AF	7- 1-58	11-30-58				
Vandenberg, Calif. (Cooke AFB)	93214	34° 45'N	120° 34'W	104	AF	12- 1-58	12-21-59	2 N			
Vandenberg, Calif. (Cooke AFB)	93214	34° 45'N	120° 34'W	98	AF	12-22-59	3-31-60				

DENVER, COLORADO

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2									
1947	EQUIP. OBS.												
1948	EQUIP. OBS.										S 4	S 4	S 4
1949	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1950	EQUIP. OBS.	S 2	S 3	S 3	S 3	S 3	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1951	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1952	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1953	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1954	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1955	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1956	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1957	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 4	G 4	G 4	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

REMARKS: 012, 092, and 152 - Feb. thru May 1950. First GMDIA - Jan. 14, 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	70	8	0	0												
1947	RAOB RAWIN																
1948	RAOB RAWIN													3	0	0	0
1949	RAOB RAWIN	9 2	4 0	2 0	0 0	33 7	17 4	9 3	1 0	69 40	45 18	27 11	8 4	78 62	63 48	45 36	13 9
1950	RAOB RAWIN	81 26	69 12	52 10	23 4	94 51	72 34	43 17	14 6	92 40	80 28	66 23	25 7	86 7	62 2	41 0	14 0
1951	RAOB RAWIN	73 12	54 7	49 5	12 1	79 19	59 5	46 3	11 0	102 60	73 14	61 9	13 1	45 14	28 5	25 1	2 0
1952	RAOB RAWIN	52 14	35 3	25 1	0 0	70 28	56 13	40 4	3 0	77 14	61 5	51 0	1 0	87 3	64 0	53 0	10 8
1953	RAOB RAWIN	122 110	101 92	56 49	1 0	118 74	74 50	51 2	115 113	70 69	56 55	5 5	92 92	48 48	29 29	1 1	
1954	RAOB RAWIN	101 91	60 53	48 42	12 11	98 97	73 73	60 60	28 28	143 135	122 116	108 103	30 29	157 151	132 129	100 97	8 7
1955	RAOB RAWIN	166 128	119 80	90 58	32 17	148 135	130 113	100 87	23 21	153 134	112 97	87 79	15 14	182 176	173 170	154 152	42 41
1956	RAOB RAWIN	181 173	172 166	137 133	61 60	178 166	156 148	137 133	26 25	142 132	122 118	109 103	41 41	155 154	137 135	103 94	8 2
1957	RAOB RAWIN	329 299	262 242	141 108	3 1	315 317	246 251	128 117	16 11	294 306	233 236	115 113	19 15	175 340	161 308	99 123	1 0
1958	RAOB RAWIN	174 346	162 319	115 171	6 3	191 356	189 349	135 230	4 2	198 344	190 326	173 290	6 6	181 358	177 346	158 290	14 8
1959	RAOB RAWIN	176 348	163 325	140 245	8 3	183 352	175 337	162 292	40 27	179 347	161 312	139 252	52 71	176 342	163 297	126 195	3 1
1960	RAOB RAWIN	178 354	155 304	122 222	14 14	181 346	173 327	165 300	109 114	180 357	166 334	150 282	36 26	183 362	176 346	165 297	42 26

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Denver, Colo. (WBAS)	23062	39° 46'N	104° 53'W	1618	WB	- - -	3-31-46				
Denver, Colo. (Lowry AFB)	23012	39° 43'N	104° 53'W	1640	AF	10-15-48	2-20-49	3 S			
Denver, Colo. (Lowry AFB)	23012	39° 43'N	104° 53'W	1643	AF	2-21-49	1- 7-50				
Denver, Colo. (Lowry AFB)	23012	39° 43'N	104° 53'W	1640	AF	1- 8-50	12-12-52				
Denver, Colo. (Lowry AFB)	23012	39° 43'N	104° 52'W	1661	AF	12-13-52	8-14-56	1 E			
Denver, Colo. (WBAS)	23062	39° 46'N	104° 53'W	1611	WB	8-15-56	- - -	3 N			

GRAND JUNCTION, COLORADO

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	46 0	1 0	0 0	0 0	72 0	3 0	0 0	0 0	57 0	5 0	1 0	0 0	9 1	1 0	1 0	0 0
1947	RAOB RAWIN	9 4	0 0	0 0	0 0	16 12	0 0	0 0	0 0	5 3	0 0	0 0	0 0	24 8	0 0	0 0	0 0
1948	RAOB RAWIN	75 29	12 4	0 0	0 0	106 46	21 7	0 0	0 0	103 49	47 21	3 0	0 0	50 27	10 7	1 1	0 0
1949	RAOB RAWIN	30 11	10 3	2 0	0 0	42 27	0 0	0 0	0 0	70 44	0 0	0 0	0 0	83 37	6 3	0 0	0 0
1950	RAOB RAWIN	78 13	18 2	0 0	0 0	102 27	29 3	4 1	0 0	130 78	44 22	14 8	0 0	139 28	62 8	13 2	0 0
1951	RAOB RAWIN	146 25	69 11	18 1	0 0	131 54	78 29	33 13	0 0	163 65	107 35	57 16	1 1	156 33	81 13	35 5	1 0
1952	RAOB RAWIN	122 35	63 17	19 3	0 0	149 68	101 36	54 16	2 0	159 103	139 81	92 36	3 1	161 76	124 48	41 15	0 0
1953	RAOB RAWIN	164 45	85 21	35 6	0 0	167 48	129 33	55 11	0 0	170 93	134 66	45 20	0 0	170 66	112 46	17 4	0 0
1954	RAOB RAWIN	161 29	116 17	40 5	0 0	171 41	143 36	80 23	0 0	162 62	135 47	79 28	0 0	171 47	142 39	64 17	0 0
1955	RAOB RAWIN	157 15	89 8	21 4	0 0	160 50	131 36	31 7	0 0	167 89	139 71	69 27	0 0	156 26	129 20	98 17	6 0
1956	RAOB RAWIN	159 26	117 19	41 7	0 0	165 62	144 45	63 25	0 0	164 85	148 62	53 18	0 0	169 54	151 46	59 14	0 0
1957	RAOB RAWIN	173 27	124 18	28 5	0 0	175 71	158 62	75 31	0 0	166 92	159 82	127 66	0 0	178 37	151 24	60 9	0 0
1958	RAOB RAWIN	171 64	161 58	10 0	0 0	161 53	146 43	47 4	0 0	176 83	173 78	160 12	0 3	177 63	172 61	158 53	13 2
1959	RAOB RAWIN	171 31	168 30	162 29	4 0	176 55	167 51	154 44	40 8	180 77	168 65	144 55	24 15	156 100	110 64	84 43	15 9
1960	RAOB RAWIN	170 130	143 117	121 97	55 32	181 170	177 165	164 149	67 47	184 180	182 179	162 155	33 28	178 156	172 153	157 133	33 8

REMARKS: First WBRT 57 - Nov. 3, 1959.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Grand Junction, Colo.(WB0)	23066	39° 07'N	108° 32'W	1474	WB	- - -	8-10-53				
Grand Junction, Colo.(WB0)	23066	39° 07'N	108° 32'W	1481	WB	8-11-53	11-1-56				
Grand Junction, Colo.(WB0)	23066	39° 07'N	108° 32'W	1474	WB	11-2-56	- - -				

WASHINGTON, D.C.

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1947	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1948	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1949	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1950	EQUIP. OBS.	R	R	R	R	R	R	R	R	S	S	S	S
1951	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1952	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1953	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	G	G
1954	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1955	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1956	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1957	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1958	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1959	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1960	EQUIP. OBS.	W	W	W	W	W	W	W	W	W	C	G	G

REMARKS: First Raob plus SCR 658 - Oct. 1, 1950, GMDIA - Dec. 1, 1953 and WBRT 57 - Jun. 2, 1959.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	79	3	0	0	86	0	0	0	115	2	0	0	58	1	0	0
1947	RAOB RAWIN	71	7	4	0	91	13	11	0	91	23	13	0	85	59	24	0
1948	RAOB RAWIN	69	30	5	0	118	26	10	0	68	1	0	0	92	15	7	0
1949	RAOB RAWIN	90	47	30	0	137	43	17	1	129	33	7	0	133	37	10	0
1950	RAOB RAWIN	135	54	26	0	151	61	24	0	159	98	43	0	143	100	66	2
1951	RAOB RAWIN	158	110	69	10	163	115	106	18	164	145	122	7	133	100	81	0
1952	RAOB RAWIN	160	123	92	4	163	137	104	1	169	133	92	4	171	150	115	4
1953	RAOB RAWIN	150	109	86	6	158	143	127	13	169	145	133	3	162	118	93	1
1954	RAOB RAWIN	166	136	87	0	163	142	102	0	170	149	119	0	160	139	105	2
1955	RAOB RAWIN	156	121	85	1	315	277	195	4	314	275	159	8	264	196	139	4
1956	RAOB RAWIN	160	132	86	4	138	135	117	0	301	272	153	5	213	181	108	0
1957	RAOB RAWIN	287	240	163	4	323	272	233	61	345	331	272	58	172	150	113	20
1958	RAOB RAWIN	193	178	143	17	172	157	128	20	143	126	104	42	134	107	88	27
1959	RAOB RAWIN	163	142	130	31	180	174	152	39	177	170	158	62	172	159	152	70
1960	RAOB RAWIN	171	156	149	54	178	167	156	46	178	174	160	31	176	168	151	39

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Washington, O. G. (Nat'l AP)	13743	38° 51'N	77° 02'W	25	WB	- - -	9-30-50				
Washington, D. G. (Silver Hill, Md.)	93722	38° 50'N	76° 57'W	88	WB	10-1-50	10-10-60	5 ESE			
Washington, D. G. (Sterling, Va.)	93734	38° 59'N	77° 28'W	84	WB	10-11-60	- - -	32 NW			

APALACHICOLA, FLORIDA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2				
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	91	3	0	0	85	0	0	0	93	7	0	0	81	4	0	0
1947	RAOB RAWIN	64	0	0	0	75	5	0	0	53	8	4	1	73	27	13	1
1948	RAOB RAWIN	40	7	3	0	147	74	26	2	80	47	28	0				
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Apalachicola, Fla. (WB0)	12832	29° 44'N	85° 02'W	23	WB	- - -	8-31-48				

CAPE CANAVERAL, FLORIDA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.		S	S	S	S	S	S	S	S	S	S	S
1951	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1952	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1953	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1954	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1955	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1956	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1957	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1958	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1959	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1960	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G

REMARKS: Printed computer data RAOBS - May thru Dec. 1960. Raob summaries available (to approximately 700 mbs. only) - Mar. thru Nov. 1946. Several types of equipment used from Jul. 1950 thru Jan. 1952. 01Z, 09Z, and 13Z - May 1954, Jan. and Feb. 1956. 00Z, 12Z, and 18Z - Jun. 1957, Sept. 1959 thru Jan. 1960 Mar. and Apr. 1960. Other times of obs. are varied for Nov. 1956 thru Dec. 1960. First GMDIA - Feb. 5, 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN	47	21	16	3	61	44	36	4	68	52	43	10	51	30	22	7
1951	RAOB RAWIN	73	52	45	16	43	25	18	5	73	52	40	1	95	58	40	10
1952	RAOB RAWIN	120	65	46	1	118	72	43	0	72	43	28	0	64	21	15	3
1953	RAOB RAWIN	122	77	54	6	158	116	93	7	151	101	51	2	118	72	56	2
1954	RAOB RAWIN	118	78	61	2	109	73	66	3	146	123	93	24	143	110	80	2
1955	RAOB RAWIN	112	81	55	8	128	92	76	5	167	151	123	22	161	146	137	54
1956	RAOB RAWIN	172	158	139	47	160	124	101	16	172	168	157	68	149	143	135	37
1957	RAOB RAWIN	169	157	142	33	177	166	156	74	168	159	144	52	159	153	144	58
1958	RAOB RAWIN	156	125	115	28	144	137	132	95	142	139	137	107	130	123	121	87
1959	RAOB RAWIN	143	134	126	99	141	133	129	98	152	148	144	101	160	152	147	63
1960	RAOB RAWIN	147	145	141	76	46	46	44	20								

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Banana River, Fla.	12845	28° 15' N	80° 36' W	10	N	3- 3-40	11-30-46				
Cocoa, Fla. (Patrick AFB)	12867	28° 14' N	80° 36' W	4	AP	2- 4-50	11-17-56	1 S			
Cape Canaveral, Fla.	12868	28° 29' N	80° 33' W	5	AP	11-18-56	- - -	15 NNE			

JACKSONVILLE, FLORIDA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.								R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1954	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1955	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN									29	12	3	0	34	16	12	0
1951	RAOB RAWIN	26	10	3	0	33	18	7	0	28	15	4	1	6	4	2	0
1952	RAOB RAWIN	10	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0
1953	RAOB RAWIN	118	62	53	0	109	68	57	0	91	60	47	0	80	52	31	0
1954	RAOB RAWIN	64	43	25	0	106	77	62	2	117	87	57	0	158	140	110	0
1955	RAOB RAWIN	152	120	94	1	167	142	128	0	98	73	44	0	59	53	38	0
1956	RAOB RAWIN	155	115	48	0	146	120	57	0	159	141	92	1	166	148	84	0
1957	RAOB RAWIN	162	128	50	0	158	125	62	0	150	124	100	14	169	152	122	22
1958	RAOB RAWIN	171	147	97	22	157	137	105	21	169	134	113	28	170	148	111	0
1959	RAOB RAWIN	169	149	136	8	160	152	139	36	154	128	114	35	131	106	103	49
1960	RAOB RAWIN	162	125	114	31	172	166	159	30	182	164	141	1	172	168	152	6

REMARKS: RAOB summaries available - Jan. thru Oct. 1946, Feb. thru Aug. 1947, Oct. 1947 thru Oct. 1948, Jul. 1949 thru Jul. 1950. First GMD - Jan. 16, 1953, GMDIA - Apr. 1, 1953.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Jacksonville, Fla. (NAS)	93837	30° 14'N	81° 41'W	3	N	- - -	10-31-53				
Jacksonville, Fla. (Imeson AP)	13889	30° 25'N	81° 39'W	6	WB	11-1-55	2-15-60	11 NNE			
Jacksonville, Fla. (Imeson AP)	13889	30° 25'N	81° 39'W	5	WB	2-16-60	- - -				

KEY WEST, FLORIDA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	OEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.				R 2	G 2	G 2	G 2	G 1	G 2	G 2	G 2	G 2
1955	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 1	G 0	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

REMARKS: 032 - Aug. 1954 and Mar. 1956. First GMDIA - May 1, 1954 and GMD - Dec. 1, 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN					39 33	21 19	10 8	0 0	43 26	34 21	17 8	0 0	141 134	114 110	71 58	0 0
1955	RAOB RAWIN	102 98	80 74	42 29	0 0	41 27	30 20	6 3	0 0	89 71	64 52	28 16	0 0	68 59	41 37	29 21	0 0
1956	RAOB RAWIN	60 49	34 34	25 21	0 0	31 28	24 24	16 15	0 0	97 92	66 64	45 40	2 1	32 28	16 12	8 7	0 0
1957	RAOB RAWIN	45 39	25 20	0 0	0 0	127 125	99 97	45 36	0 0	115 108	87 84	43 36	1 1	118 103	104 96	97 96	0 0
1958	RAOB RAWIN	123 120	87 81	64 62	0 0	154 150	141 138	128 127	10 5	156 155	147 147	139 136	49 26	161 161	153 153	142 141	44 27
1959	RAOB RAWIN	135 124	132 118	124 112	82 62	154 146	150 147	143 140	54 40	171 167	168 167	160 155	22 14	172 170	163 161	155 150	65 57
1960	RAOB RAWIN	177 169	169 168	162 156	90 81	176 174	171 170	159 155	94 78	170 168	162 161	156 155	114 106	172 171	157 156	149 148	122 119

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS			
						FROM	TO		NAME	FROM	TO	
Key West, Fla. (NAS)	12850	24° 35' N	81° 42' W	3	N	5-1-54	- - -					

MIAMI, FLORIDA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2
1947	EQUIP. OBS.	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2
1948	EQUIP. OBS.	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2
1949	EQUIP. OBS.	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2
1950	EQUIP. OBS.	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2
1951	EQUIP. OBS.	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2
1952	EQUIP. OBS.	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2
1953	EQUIP. OBS.	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2
1954	EQUIP. OBS.	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2
1955	EQUIP. OBS.	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2
1956	EQUIP. OBS.	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2
1957	EQUIP. OBS.	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2
1958	EQUIP. OBS.	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2
1959	EQUIP. OBS.	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2
1960	EQUIP. OBS.	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2	55 2

REMARKS: First WBRT 57 - Dec. 1, 1959.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	75 0	4 0	0 0	0 0	64 0	0 0	0 0	0 0	70 5	2 0	0 0	0 0	42 26	1 0	0 0	0 0
1947	RAOB RAWIN	33 10	0 0	0 0	0 0	31 18	0 1	0 0	0 0	40 32	3 0	1 0	0 0	12 9	0 0	0 0	0 0
1948	RAOB RAWIN	33 16	9 1	1 0	0 0	90 51	42 18	8 3	0 0	105 93	56 47	12 11	0 0	65 47	29 16	7 5	0 0
1949	RAOB RAWIN	33 23	0 0	0 0	0 0	109 94	40 29	11 10	0 0	60 55	9 4	4 0	0 0	66 55	2 1	0 0	0 0
1950	RAOB RAWIN	106 67	5 1	0 0	0 0	74 55	18 8	5 3	0 0	104 98	22 18	5 5	0 0	122 60	64 12	22 2	0 0
1951	RAOB RAWIN	127 65	79 16	40 1	0 0	139 76	76 31	40 13	0 0	138 133	95 83	45 33	1 0	129 88	85 36	39 12	3 0
1952	RAOB RAWIN	98 38	50 7	18 1	1 0	118 74	85 36	48 18	0 0	145 139	109 101	66 39	0 0	136 87	100 28	47 5	0 0
1953	RAOB RAWIN	159 63	117 31	55 6	1 0	148 97	119 54	59 15	0 0	149 137	103 79	21 13	0 0	149 59	102 25	35 5	0 0
1954	RAOB RAWIN	157 50	114 18	56 6	0 0	152 108	114 61	46 17	0 0	152 145	131 124	57 40	0 0	153 84	132 52	64 19	1 0
1955	RAOB RAWIN	158 83	109 42	74 24	0 0	144 111	100 67	40 11	0 0	149 180	121 151	42 43	0 0	154 111	133 85	82 40	2 0
1956	RAOB RAWIN	147 52	103 31	50 7	0 0	125 85	102 64	38 40	0 0	138 133	118 112	78 63	0 0	151 117	128 97	78 51	0 0
1957	RAOB RAWIN	145 78	115 57	52 12	0 0	152 139	135 125	102 80	2 2	132 131	116 115	104 99	15 9	153 115	134 98	92 61	15 7
1958	RAOB RAWIN	151 7	119 6	69 1	8 0	131 92	110 73	83 55	8 6	182 186	173 173	159 151	13 10	169 120	137 106	120 91	7 6
1959	RAOB RAWIN	166 60	136 51	115 43	10 3	166 122	155 112	141 100	2 2	164 168	125 123	100 89	1 1	130 118	114 103	104 90	48 30
1960	RAOB RAWIN	176 168	161 156	143 135	67 37	165 165	157 158	143 134	23 10	178 178	169 166	156 150	13 8	173 172	162 161	133 126	12 4

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Miami, Fla. (WBAS)	12839	25° 49'N	80° 17'W	12	WB	- - -	11-30-54				
Miami, Fla. (WBAS)	12839	25° 49'N	80° 17'W	4	WB	12-1-54	4-30-57				
Miami, Fla. (Int'l AP)	12839	25° 48'N	80° 16'W	4	WB	5-1-57	- - -	1 SE			

PENSACOLA, FLORIDA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2		R 1	R 1					
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 1	R 1	R 1	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 1							
1949	EQUIP. OBS.	R 2											
1950	EQUIP. OBS.												
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	R 2	R 2	R 2						R 1	R 1	R 1	R 1
1955	EQUIP. OBS.	R 1	R 2	R 1	R 1	R 1	R 1	R 1	R 2	R 2	R 1	R 1	R 1
1956	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1
1957	EQUIP. OBS.	G M	G M	G M	G M	G M	G M	G M	G M	G M	G M	G M	G M
1958	EQUIP. OBS.	G M	G M	G M	G M	G M	G M	G M	G M	G M	G M	G M	G M
1959	EQUIP. OBS.	G M	G M	G M	G M	G M	G M	G M	G M	G M	G M	G M	G M
1960	EQUIP. OBS.	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1

REMARKS: Raob summaries available - Sept. thru Dec. 1946, Jun. thru Nov. 1946, Jun. 1949 thru Jan. 1951. 13Z - Jun. and Jul. 1946, Aug. thru Oct. 1947, May 1948. 13Z - Sept. and Oct. 1954. 09Z and 13Z - Nov. 1954. 12Z - Jun. 1959 thru Dec. 1960. Times of obs. are varied for - Dec. 1954, Jan. 1955 thru Dec. 1957. First GMD1A - Jan. 7, 1957.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN													2	1	0	0
1947	RAOB RAWIN	6	0	0	0	2	0	0	0								
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN	8	2	1	0	48	23	9	0	49	25	15	1	38	18	9	0
1952	RAOB RAWIN	22	8	6	1	33	9	3	0	20	12	6	1	27	16	8	1
1953	RAOB RAWIN	45	20	15	0	70	43	34	0	85	48	29	0	71	40	18	0
1954	RAOB RAWIN	68	29	12	0	26	18	13	0	15	12	8	0	14	8	3	0
1955	RAOB RAWIN	19	11	3	0	17	7	5	0	15	7	1	0	9	1	0	0
1956	RAOB RAWIN	1	0	0	0	5	1	1	0	8	4	2	0	5	0	0	0
1957	RAOB RAWIN					4	3	1	0	1	1	0	0				
1958	RAOB RAWIN					4	3	1	0	1	1	0	0				
1959	RAOB RAWIN					14	11	8	0	41	34	18	1	34	31	28	17
1960	RAOB RAWIN	42	38	36	16	55	49	46	10	44	35	30	16	47	41	38	30
		33	29	27	15	53	48	44	10	44	35	30	16	46	39	36	28

STATION LOCATION

STATION NAME	STA. NO. (WEAR)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Pensacola, Fla. (NAS)	93829	30° 21'N	87° 16'W	10	N	- - -	5-26-55				
Pensacola, Fla. (NAS Sherman Forest Fld)	03855	30° 21'N	87° 19'W	10	N	5-27-55	- - -	3 W			

TAMPA, FLORIDA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	22	0	0	0	54	1	0	0	73	0	0	0	62	5	0	0
1947	RAOB RAWIN	63	4	0	0	60	1	0	0	30	3	2	0	73	2	2	0
1948	RAOB RAWIN	75	29	14	0	146	89	43	0	103	73	42	0	78	37	25	0
1949	RAOB RAWIN	75	5	0	0	141	65	8	0	90	35	5	0	95	2	0	0
1950	RAOB RAWIN	123	10	0	0	129	38	8	0	132	64	17	0	144	77	46	1
1951	RAOB RAWIN	145	97	52	0	134	90	55	0	131	98	54	2	151	122	97	7
1952	RAOB RAWIN	139	95	64	3	147	118	80	0	150	109	65	0	167	134	93	2
1953	RAOB RAWIN	173	141	105	1	166	134	74	2	158	114	43	0	118	95	60	0
1954	RAOB RAWIN	158	122	68	1	149	130	78	0	142	113	60	0	164	138	74	0
1955	RAOB RAWIN	158	109	73	0	165	130	58	0	160	140	48	0	143	121	66	1
1956	RAOB RAWIN	150	103	44	0	138	123	75	0	155	136	79	1	156	136	93	0
1957	RAOB RAWIN	145	125	72	0	142	121	65	0	169	159	139	28	178	170	159	26
1958	RAOB RAWIN	157	133	105	0	158	135	102	0	162	147	136	6	142	129	120	18
1959	RAOB RAWIN	147	135	112	17	158	139	120	3	140	123	103	4	103	79	72	6
1960	RAOB RAWIN	127	102	84	15	154	131	111	10	170	159	137	15	190	168	139	9

REMARKS: '032 - Jan. thru Apr. 1946. First Raob plus SCR 658 - Jan. 16, 1954 and GMDIA - Jul. 16, 1960.

STATION LOCATION

STATION NAME	STA. NO. (WEAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Tampa, Fla. (WBAS)	12842	27° 58'N	82° 32'W	14	WB	- - -	12-31-54				
Tampa, Fla. (WBAS)	12842	27° 58'N	82° 32'W	7	WB	1- 1-55	3-15-57				
Tampa, Fla. (WBAS)	12842	27° 58'N	82° 32'W	8	WB	3-16-57	- - -				

VALPARAISO, FLORIDA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.		S	S	S	S	S	S	S	S	S	S	S
1949	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1950	EQUIP. OBS.	2	3	4	4	4	4	4	2	4	4	4	4
1951	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1952	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1953	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1954	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1955	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1956	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1957	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1958	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1959	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1960	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G

REMARKS: 03Z, 09Z, and 15Z - Feb. 1950. First GMDIA - Dec. 19, 1952.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN	0	0	0	0	31	3	1	1	50	5	2	0	19	0	0	0
1949	RAOB RAWIN	15	0	0	0	36	20	17	2	41	14	10	1	68	50	34	10
1950	RAOB RAWIN	94	64	49	11	54	26	14	2	57	49	36	11	65	47	37	11
1951	RAOB RAWIN	48	30	23	1	55	46	35	18	65	45	26	7	62	44	35	3
1952	RAOB RAWIN	60	43	37	8	114	79	63	17	147	110	82	6	127	97	64	1
1953	RAOB RAWIN	148	114	77	0	140	98	74	1	147	112	69	2	106	69	51	0
1954	RAOB RAWIN	64	32	21	1	155	132	102	14	158	132	101	5	168	130	101	3
1955	RAOB RAWIN	153	99	76	14	167	145	126	16	154	130	106	18	165	126	99	7
1956	RAOB RAWIN	161	122	97	15	171	144	126	29	170	148	142	41	175	168	158	67
1957	RAOB RAWIN	172	165	151	61	180	174	165	68	177	167	159	40	177	166	156	25
1958	RAOB RAWIN	172	160	131	36	179	174	164	108	186	179	171	137	179	166	154	81
1959	RAOB RAWIN	175	157	138	74	177	166	156	93	177	174	170	88	183	175	170	79
1960	RAOB RAWIN	177	171	168	80	178	175	172	62	181	177	170	22	171	152	146	102

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Valparaiso, Fla. (Eglin AFB)	13858	30° 31'N	86° 35'W	28	AF	2-23-48	10-21-51				
Valparaiso, Fla. (Eglin AFB)	13858	30° 29'N	86° 31'W	18	AF	10-21-51	3-14-54	5 ESE			
Valparaiso, Fla. (Eglin AFB)	13858	30° 29'N	86° 31'W	20	AF	3-15-54	- - -				

ALBANY, GEORGIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.	C 3	C 3	C 3	C 3								
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.	C 3	C 3	C 3	C 3								
1960	EQUIP. OBS.	C 3	C 3	C 3	C 3								

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN	45 19	40 18	35 16	15 6	44 33	41 32	37 29	5 2								
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN	86 59	80 58	70 54	39 28	94 84	92 83	81 69	35 18								
1960	RAOB RAWIN	87 71	77 63	74 67	48 32	94 91	90 89	85 85	47 36								

REMARKS: 09Z, 15Z, and 21Z - Feb. thru May 1956, Feb. thru May 1959
and Feb. thru May 1960.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Albany, Ge. (Turner AFB)	13815	31° 35'N	84° 06'W	61	AF	2-15-56	2-14-59				
Albany, Ge. (Turner AFB)	13815	31° 35'N	84° 06'W	66	AF	2-15-59	5-17-60				

ATHENS, GEORGIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.									G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	W 2	W 2	W 2	W 2	W 2	W 2
1960	EQUIP. OBS.	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2

REMARKS: First Raob plus SCR 658 - Oct. 4, 1957 and WBRT 57 - Jun. 30, 1959.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN									33 32	27 25	13 11	0 0	125 117	96 90	59 45	10 0
1956	RAOB RAWIN	148 145	113 106	55 46	1 0	122 122	98 98	26 26	1 1	140 137	117 119	31 32	0 0	158 150	130 123	46 33	0 0
1957	RAOB RAWIN	142 126	96 86	35 12	0 0	148 147	120 122	51 46	0 0	147 147	118 115	101 96	27 11	151 28	125 20	80 12	9 0
1958	RAOB RAWIN	170 3	155 0	111 0	4 0	155 71	124 60	88 37	19 10	164 161	140 134	114 103	4 3	169 40	158 32	146 31	0 0
1959	RAOB RAWIN	144 5	128 4	113 3	13 1	180 89	166 74	154 61	17 5	153 137	126 109	99 81	0 0	119 111	80 76	68 57	30 19
1960	RAOB RAWIN	165 132	130 102	107 76	33 14	165 162	158 154	139 130	26 17	175 165	169 159	155 140	10 7	172 168	159 159	146 139	19 6

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Athens, Ga.	13873	33° 57'N	83° 19'W	246	WB	9-4-55	- - -	68 ENE	Atlanta, Ga.	- - -	9-3-55

ATLANTA, GEORGIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	R 2	R 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1955	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	79 0	3 0	0 0	0 0	87 0	0 0	0 0	0 0	99 0	0 0	0 0	0 0	67 0	0 0	0 0	0 0
1947	RAOB RAWIN	78 0	3 0	0 0	0 0	70 4	0 0	0 0	0 0	59 4	5 0	3 0	0 0	43 3	11 0	3 0	0 0
1948	RAOB RAWIN	65 0	42 0	21 0	0 0	146 6	72 2	24 0	2 0	128 2	87 2	59 2	0 0	101 7	43 2	24 1	0 0
1949	RAOB RAWIN	34 0	1 0	0 0	0 0	112 8	72 6	23 2	0 0	128 8	36 2	11 1	0 0	130 5	8 1	0 0	0 0
1950	RAOB RAWIN	132 0	24 0	1 0	0 0	110 4	40 2	14 0	0 0	130 5	35 0	12 0	0 0	119 1	52 1	23 0	0 0
1951	RAOB RAWIN	140 0	82 0	38 0	1 0	111 1	67 0	29 0	0 0	136 1	96 1	49 1	4 0	122 5	89 4	64 2	2 0
1952	RAOB RAWIN	78 1	39 1	16 1	0 0	158 3	122 2	90 1	0 0	142 5	104 2	63 0	2 0	166 1	141 0	94 0	0 0
1953	RAOB RAWIN	154 1	102 0	52 0	0 0	167 0	134 0	87 0	0 0	156 4	130 2	59 0	0 0	152 14	122 11	72 6	0 0
1954	RAOB RAWIN	136 29	106 21	50 9	0 0	158 149	127 115	69 55	0 0	116 108	82 74	53 41	0 0	144 130	87 78	23 20	0 0
1955	RAOB RAWIN	152 129	82 70	43 33	0 0	151 148	109 105	68 59	0 0	104 96	81 75	48 38	0 0				
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: First GMD1 - Feb. 17, 1954.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Atlanta, Ga. (WBAS)	13874	33° 39' N	84° 25' W	309	WB	- - -	9-3-55	68 ENE	Athens, Ga.	9-4-55	- - -

WARNER ROBINS, GEORGIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.											S	S
1949	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1950	EQUIP. OBS.	4	4	4	4	4	4	4	4	4	4	4	4
1951	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1952	EQUIP. OBS.	2	3	3	3	3	4	4	4	4	4	4	4
1953	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1954	EQUIP. OBS.	4	4	4	4	4	4	4	4	4	4	4	4
1955	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1956	EQUIP. OBS.	4	4	4	4	4	4	4	4	4	4	4	4
1957	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1958	EQUIP. OBS.	4	4	4	4	4	4	4	4	4	4	4	4
1959	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1960	EQUIP. OBS.	4	4	4	4	4	4	4	4	4	4	4	4

REMARKS: 03Z, 15Z, and 21Z - Jan. thru Apr. 1954. First Raob plus SCR 658 - Nov. 15, 1948 and QNDIA - Jan. 2, 1954.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN	34	19	15	2	31	18	16	1	16	12	10	0	42	31	23	7
1950	RAOB RAWIN	18	9	7	1	28	15	13	0	12	8	6	0	24	16	6	3
1951	RAOB RAWIN	51	43	30	8	72	56	41	4	47	37	26	5	52	43	33	13
1952	RAOB RAWIN	10	6	4	2	38	32	14	2	28	17	12	0	12	8	5	2
1953	RAOB RAWIN	61	38	27	4	74	60	45	22	75	63	57	3	99	80	72	8
1954	RAOB RAWIN	3	0	0	0	24	15	10	1	68	49	43	2	24	14	12	2
1955	RAOB RAWIN	120	83	66	1	140	99	74	5	36	19	11	1				
1956	RAOB RAWIN	1	0	1	0	36	14	8	0	27	15	6	0				
1957	RAOB RAWIN																
1958	RAOB RAWIN	83	50	41	1	50	35	31	2								
1959	RAOB RAWIN	61	33	28	1	47	32	29	1								
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Warner Robins, Ga. (Robins AFB)	13860	32° 38'N	83° 38'W	86	AF	11-15-48	1-25-49				
Warner Robins, Ga. (Robins AFB)	13860	32° 36'N	83° 34'W	90	AF	1-25-49	2-28-54	5 ESE			
Warner Robins, Ga. (Robins AFB)	13860	32° 36'N	83° 34'W	86	AF	3- 1-54	4-30-54				

BOISE, IDAHO

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	S 2	S 2	S 2	S 2	S 2	S 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	44 0	7 0	0 0	0 0	57 10	1 0	0 0	0 0	49 17	0 0	0 0	0 0	30 0	3 0	2 0	0 0
1947	RAOB RAWIN	20 0	0 0	0 0	0 0	12 2	0 0	0 0	0 0	7 3	0 0	0 0	0 0	8 2	0 0	0 0	0 0
1948	RAOB RAWIN	4 0	1 0	0 0	0 0	119 5	58 1	11 1	0 0	144 4	88 1	32 0	0 0	103 3	64 1	18 1	0 0
1949	RAOB RAWIN	114 5	51 3	17 0	0 0	127 4	77 2	28 1	0 0	46 8	10 0	1 0	0 0	19 1	0 0	0 0	0 0
1950	RAOB RAWIN	49 4	7 0	1 0	0 0	92 25	31 5	10 1	1 0	127 49	51 21	14 4	0 0	100 9	44 3	5 1	0 0
1951	RAOB RAWIN	123 30	55 13	16 4	1 0	145 89	70 44	23 12	0 0	140 45	81 15	37 6	0 0	140 29	91 18	54 10	2 0
1952	RAOB RAWIN	151 18	112 7	77 0	6 35	161 35	139 12	112 7	1 0	180 33	164 17	140 9	7 1	158 1	133 6	84 4	3 0
1953	RAOB RAWIN	146 13	106 10	60 8	0 0	168 73	148 50	92 27	2 0	176 81	166 56	93 33	0 0	166 54	130 32	73 19	1 0
1954	RAOB RAWIN	162 35	121 20	65 11	0 0	156 43	120 25	59 9	0 0	147 39	115 21	53 6	0 0	157 71	108 42	29 13	0 0
1955	RAOB RAWIN	151 35	86 19	27 7	0 0	208 99	176 84	74 23	1 0	174 64	156 53	60 18	0 0	131 28	105 21	30 5	0 0
1956	RAOB RAWIN	148 23	118 16	16 0	0 0	167 74	153 61	51 17	0 0	159 59	122 45	48 17	0 0	132 47	102 36	45 16	0 0
1957	RAOB RAWIN	126 36	88 27	33 9	0 0	129 66	106 54	40 12	0 0	165 35	156 28	109 16	1 0	153 20	118 12	74 4	0 0
1958	RAOB RAWIN	164 47	141 35	65 13	0 0	175 76	159 57	107 30	0 0	177 52	162 37	131 27	0 0	162 20	127 15	95 9	0 0
1959	RAOB RAWIN	165 19	149 12	122 4	2 0	172 40	166 30	148 26	18 2	168 13	158 9	127 8	1 0	150 33	133 22	107 15	5 2
1960	RAOB RAWIN	163 130	144 116	122 95	46 16	182 164	176 159	159 138	26 14	181 160	179 160	168 148	14 15	180 144	175 140	161 118	20 5

REMARKS: First Raob plus SCR 658 - Mar. 5, 1946 and starts again
Jul. 27, 1949. First WBRT 57 - Dec. 17, 1959.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Boise, Idaho (WBAS)	24131	43° 34'N	116° 13'W	868	WB	- - -	- - -				

BELLEVILLE, ILLINOIS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.							S	S	S		S	
1951	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1952	EQUIP. OBS.	M	M	M	M	M	M	M	M	M	M	M	M
1953	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1954	EQUIP. OBS.					C	C	C	C	C	C		
1955	EQUIP. OBS.					C	C	C	C	C	C		
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.					C	C	C	C	C			
1960	EQUIP. OBS.												

REMARKS: 03Z, 15Z, and 21Z - May thru Oct. 1954, May thru Sept. 1955.
00Z, 12Z, and 18Z - May thru Aug. 1959. First GMDIA - May 16, 1954.
MBAN 33 only - May thru Sept. 1955.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN					86 76	74 67	60 57	27 27	171 136	155 130	145 125	49 33	4 4	4 4	4 4	1 1
1955	RAOB RAWIN					90 84	88 77	74 77	2 2	140 134	133 125	123 118	10 9				
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN					66 66	63 62	61 59	27 20	179 177	164 160	149 146	23 14				
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Belleville, Ill. (Scott AFB)	13802	38° 33'N	89° 59'W	136	AF	7-5-50	3-31-52				
Belleville, Ill. (Scott AFB)	13802	38° 33'N	89° 59'W	133	AF	4-1-52	5-28-59				
Belleville, Ill. (Scott AFB)	13802	38° 33'N	89° 51'W	133	AF	5-28-59	9-30-59	7 E			

JOLIET, ILLINOIS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2									
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	61	3	0	0	93	5	0	0	116	8	0	0	66	1	0	0
1947	RAOB RAWIN	13	0	0	0	23	1	0	0	61	4	0	0	24	9	2	0
		1	0	0	0									3	1	0	0
1948	RAOB RAWIN	9	0	0	0	35	1	0	0	47	7	1	0	31	36	19	1
										1	0	0	0				
1949	RAOB RAWIN	68	21	1	0	106	38	7	0	120	10	0	0	94	4	0	0
1950	RAOB RAWIN	86	14	6	0	91	17	6	0	122	28	4	0	77	18	4	0
										1	0	0	0				
1951	RAOB RAWIN	99	18	2	0	131	64	24	0	162	113	46	3	131	65	27	1
		1	0	0	0												
1952	RAOB RAWIN	105	61	27	1	130	97	58	2	116	89	42	1	138	104	52	1
						2	0	0	0								
1953	RAOB RAWIN	92	52	13	0												
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Joliet, Ill. (WB0)	14834	41° 30'N	88° 10'W	179	WB	- -	3-14-53				

PEORIA, ILLINOIS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.									G 4	G 4	G 4	G 4
1957	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

REMARKS: First GMDIA - Sept. 12, 1956.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN									34 30	31 30	27 27	0 0	335 267	270 225	141 109	3 2
1957	RAOB RAWIN	338 169	266 145	104 32	10 1	330 312	305 294	210 171	11 9	340 337	312 306	235 212	23 9	176 325	167 298	96 119	3 1
1958	RAOB RAWIN	171 322	159 297	123 144	12 3	182 306	172 286	106 126	5 3	201 336	192 313	173 261	7 6	182 304	160 268	135 189	9 5
1959	RAOB RAWIN	163 269	141 226	112 164	2 0	187 313	175 270	148 198	18 11	165 302	158 272	146 244	36 41	155 247	121 185	108 142	40 32
1960	RAOB RAWIN	170 287	157 250	140 205	25 12	180 311	170 277	152 213	18 11	172 324	165 305	148 234	34 28	178 322	166 276	144 209	31 10

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Peoria, Ill. (Greater AP)	14842	40° 40'N	89° 41'W	201	WB	9-12-56	- - -	38 WNW	Kantoul, Ill. (Chanute AFB)	1-1-46	9-11-56

RANTOUL, ILLINOIS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S5 M											
1947	EQUIP. OBS.	S 2	S 2			S M	S 1	S 2	S 2	S 1	S 1	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1949	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 2	S 2
1950	EQUIP. OBS.	S 2	S 3	S 3	S 3	S 3	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1951	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1952	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 0	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1953	EQUIP. OBS.	S 4	S 4	S 4	S 4	S G	S G	S G	S G	S G	S G	S G	S G
1954	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1955	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1956	EQUIP. OBS.	G 4	G 2	G 2	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 152 - Jun. 1947. 042 - Sept. and Oct. 1947. 032, 092, and 152 Feb. thru May 1950. First GNDIA - Mar. 25, 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN	1	0	0	0	0	0	0	0	2	0	0	0	4	0	0	0
1948	RAOB RAWIN	4	0	0	0	23	0	0	0	28	0	0	0	37	0	0	0
1949	RAOB RAWIN	30	8	6	0	48	19	17	1	49	15	4	0	52	35	23	7
1950	RAOB RAWIN	32	17	6	1	41	20	17	8	80	53	35	7	92	71	55	13
1951	RAOB RAWIN	87	71	56	13	89	67	57	17	92	65	52	21	81	56	45	11
1952	RAOB RAWIN	106	84	64	14	94	70	44	5	153	126	95	17	151	118	86	6
1953	RAOB RAWIN	115	86	49	2	118	79	52	1	143	102	83	9	130	95	62	0
1954	RAOB RAWIN	94	57	34	0	105	72	65	10	141	97	75	1	125	95	75	12
1955	RAOB RAWIN	154	135	99	5	174	158	136	0	181	156	122	16	180	124	94	2
1956	RAOB RAWIN	179	142	103	19	174	149	132	26	142	132	124	33	176	120	87	0
1957	RAOB RAWIN	171	134	98	15	171	146	126	13	137	131	121	15				
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Rantoul, Ill. (Chanute AFB)	14806	40° 18' N	88° 09' W	227	AF	1-1-46	9-11-56	38 WNW	Peoria, Ill. (Greater AF)	9-12-56	- - -

SOUTH BEND, INDIANA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.					G 3	G 3	G 3	G 3				
1960	EQUIP. OBS.					G 2	G 3	G 3	G 2				

REMARKS: 002, 122, and 182 - May thru Aug. 1959, July and Aug. 1960.
First CNDIA - May 29, 1959.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN					65 64	62 61	56 52	4 3	122 120	113 110	95 95	6 5				
1960	RAOB RAWIN					46 43	44 41	39 37	2 2	140 139	129 128	120 116	52 24				

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
South Bend, Ind.	94848	41° 42'N	86° 19'W	237	AF	5-29-59	6-4-60				
South Bend, Ind.	94848	41° 42'N	86° 19'W	234	AF	6-5-60	9-16-60				

CEDAR RAPIDS, IOWA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.				G 3	G 3	G 3	G 3	G 3	G 3	G 3		
1955	EQUIP. OBS.			G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3		
1956	EQUIP. OBS.							G 3	G 3	G 3			
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.				G 3	G 3	G 3	G 2	G 3				

REMARKS: Times of obs. are varied - May thru Oct. 1954. 02Z, 14Z, and 20Z - Apr. thru Oct. 1955. 08Z, 14Z, and 20Z - Jul. thru Sept. 1956. 00Z, 12Z, and 18Z - May thru Jul. 1960. 00Z and 12Z - Aug. 1960. 00Z, 12Z, and 23Z - Sept. 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN					78 76	71 68	62 59	13 13	177 174	169 166	156 154	52 51	3 3	3 2	3 2	1 1
1955	RAOB RAWIN					152 152	136 135	126 126	37 37	140 140	131 130	129 129	82 82				
1956	RAOB RAWIN									71 61	69 63	67 61	14 10				
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN					81 77	76 72	75 72	50 34	166 163	158 155	146 145	42 19				

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Cedar Rapids, Iowa(Mm.AP)	94917	41° 53'N	91° 43'W	263	AP	5-16-54	9-30-56				
Cedar Rapids, Iowa(Mm.AP)	94917	42° 05'N	91° 37'W	265	AP	5-20-60	9-30-60	14 NNE			

OTTUMWA, IOWA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.			R 2	R 2	R 3	R 1						
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: Raob summaries available Jan. thru Dec. 1946 and Feb. 1947.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN					2"	9	7	0								
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Ottumwa, Iowa (NAS)	14948	41° 06'N	92° 26'W	256	N	- - -	6-30-47				

WATERLOO, IOWA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.					G 4	G 4	G 4	G 4				
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.					G 3	G 4	G 3	G 3	G 4			
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN					27 25	20 18	16 14	1 0	169 167	143 141	123 121	8 7				
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN					64 64	64 63	60 59	39 32	178 178	173 172	162 160	14 11				
1960	RAOB RAWIN																

REMARKS: First GND1A - Jan. 1, 1953.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Waterloo, Iowa (Hm. AF)	94914	42° 33'N	92° 24'W	264	AF	6-1-53	5-27-59				
Waterloo, Iowa (Hm. AF)	94914	42° 33'N	92° 24'W	255	AF	5-28-59	9-30-59				

WAVERLY, IOWA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.						G 3	G 3	G 3	G 3			
1958	EQUIP. OBS.						G 3	G 4	G 4	G 4	G 3		
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN					28 23	26 22	23 21	9 9	73 68	56 54	49 49	14 14				
1958	RAOB RAWIN					60 60	58 58	54 52	33 26	175 169	161 158	148 145	25 11	19 16	14 13	9 8	1 0
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Waverly, Iowa	94922	42° 41'N	92° 29'W	307	AF	6-1-57	5-31-58				
Waverly, Iowa	94922	42° 41'N	92° 29'W	305	AF	6-1-58	10-15-58				

DODGE CITY, KANSAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	S 4	S 4	S 4	S 4	S 4	S 4	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 3	S 3	S 3	S 3	S 3	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	W 3	W 3	W 2	W 2	W 2	W 2	W 2	W 2	W 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	13 0	0 0	0 0	0 0	59 0	0 0	0 0	0 0	53 0	0 0	0 0	0 0	43 0	0 0	0 0	0 0
1947	RAOB RAWIN	44 0	0 0	0 0	0 0	81 0	1 0	0 0	0 2	37 0	0 0	0 0	0 0	28 0	3 0	0 0	0 0
1948	RAOB RAWIN	14 1	0 0	0 0	0 3	9 1	1 0	0 0	0 14	71 14	0 0	0 0	0 0	69 8	14 4	5 3	0 0
1949	RAOB RAWIN	50 4	5 0	4 0	0 0	97 14	5 1	1 0	0 19	124 19	16 0	0 0	0 0	115 21	9 1	0 0	0 0
1950	RAOB RAWIN	137 18	30 6	9 2	1 0	109 12	42 5	16 1	0 0	120 18	57 9	15 1	0 0	139 11	77 5	25 4	0 0
1951	RAOB RAWIN	126 4	47 0	16 0	0 4	154 1	94 1	45 1	8 0	169 9	133 1	81 0	3 0	123 6	108 1	93 1	0 0
1952	RAOB RAWIN	74 3	41 1	13 0	0 15	153 3	114 0	66 0	0 28	123 6	79 0	30 0	0 0	151 29	87 1	29 0	0 0
1953	RAOB RAWIN	165 22	114 16	46 6	0 0	128 90	103 71	51 34	1 0	155 148	121 122	60 52	0 0	165 106	123 74	45 25	0 0
1954	RAOB RAWIN	147 44	107 25	31 8	0 0	161 107	129 69	52 27	0 0	153 136	129 107	68 44	0 0	163 82	117 54	37 11	0 0
1955	RAOB RAWIN	165 41	102 24	22 7	0 0	160 100	122 75	47 15	0 0	166 155	147 136	45 31	0 0	147 46	113 36	37 6	0 0
1956	RAOB RAWIN	161 53	120 36	30 4	0 0	158 120	136 104	55 28	0 0	165 161	143 136	31 29	0 0	180 107	157 100	40 18	0 0
1957	RAOB RAWIN	148 38	109 26	38 8	0 0	152 91	140 79	80 40	0 0	171 142	153 120	75 57	0 0	177 37	165 33	82 13	0 0
1958	RAOB RAWIN	165 59	146 47	70 17	0 0	175 104	164 94	82 32	0 0	196 140	184 127	144 84	6 1	176 40	161 31	114 15	2 0
1959	RAOB RAWIN	173 31	157 27	145 24	7 0	193 69	187 62	175 44	17 5	174 136	161 112	141 83	1 1	130 15	102 7	70 5	2 0
1960	RAOB RAWIN	143 13	114 4	93 3	21 0	188 166	164 145	143 121	59 33	180 172	167 160	142 134	4 3	174 169	146 141	119 108	0 0

REMARKS: First Raob plus SCR 658 - Mar. 19, 1953 and WBRT 57 -
Apr. 11, 1960.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Dodge City, Kans. (WBAS)	13985	37° 46'N	99° 58'W	800	WB	- - -	12-25-55				
Dodge City, Kans. (WBAS)	13985	37° 46'N	99° 58'W	792	WB	12-26-55	- - -				

FORT LEAVENWORTH, KANSAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.										S 2#	R 2	
1947	EQUIP. OBS.	S 1	R 2				R 1	S 1	R 2	S 2		S 2	
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1949	EQUIP. OBS.	M 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 3	S 3	S 3	S 3	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1951	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1952	EQUIP. OBS.	S 4	S 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1953	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 162 - Jan. 1947. 042 - Jun. and Jul. 1947. 032, 092, and 152 Feb. thru May 1950. First GMD1 - Mar. 5, 1952.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN													1	0	0	0
1947	RAOB RAWIN	1	0	0	0					12	1	1	0	1	0	0	0
1948	RAOB RAWIN	7	0	0	0	30	0	0	0	47	0	0	0	8	0	0	0
1949	RAOB RAWIN	23	12	8	1	52	36	26	3	31	22	17	6	27	15	10	2
1950	RAOB RAWIN	67	49	35	13	73	52	33	9	68	39	23	3	83	57	39	6
1951	RAOB RAWIN	61	37	30	10	90	71	58	31	96	75	57	19	87	64	53	21
1952	RAOB RAWIN	135	102	72	17	147	108	74	8	137	102	81	2	123	75	61	19
1953	RAOB RAWIN	94	58	38	8	138	104	80	10	138	102	82	10	22	17	13	1
1954	RAOB RAWIN	87	53	38	8	132	98	77	8	131	98	78	8	22	17	13	1
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Ft. Leavenworth, Kans. (Sherman AFB)	13921	39° 20' N	94° 55' W	267	AF	10-22-46	8-26-48				
Ft. Leavenworth, Kans. (Sherman AFB)	13921	39° 19' N	94° 55' W	274	AF	8-27-48	5-31-51	1 S			
Ft. Leavenworth, Kans. (Sherman AFB)	13921	39° 19' N	94° 55' W	327	AF	6- 1-51	10-19-53	47 ESE	Topeka, Kansas	12-21-53	- - -

FORT RILEY, KANSAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.				G 2	G 2	G 3	G 3	G 1	G 1	G 1		
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 00Z, 12Z, and 15Z - Jun. 1958. 00Z, 12Z, and 21Z - Jul. 1958.
12Z - Aug. thro Oct. 1958.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN					167 158	158 151	139 115	8 3	101 99	96 93	90 87	19 12	12 12	12 12	12 12	6 2
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Fort Riley, Kansas	13947	39° 03'N	96° 46'W	317	A	4-4-58	10-12-58				

GOODLAND, KANSAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.							G	G	G			
1953	EQUIP. OBS.						G	G	G	G			
1954	EQUIP. OBS.					G	G	G	G	G	G		
1955	EQUIP. OBS.					G	G	G	G	G	G		
1956	EQUIP. OBS.							G	G	G			
1957	EQUIP. OBS.							G	G	G			
1958	EQUIP. OBS.							G	G	G	G		
1959	EQUIP. OBS.					G	G	G	G	G			
1960	EQUIP. OBS.					G	G	G	G	G			

REMARKS: 03Z, 15Z, and 21Z - Jul. thru Sept. 1952, May thru Oct. 1954, May thru Sept. 1955, 08Z, 15Z, and 21Z - Jul. thru Sept. 1956, 06Z, 12Z, and 18Z - Jun. and Jul. 1957, 00Z, 12Z, and 18Z - Jun., Aug., and Sept. 1958, May thru Sept. 1959, May and Jun. 1960, 00Z, 12Z, 18Z, and 20Z - Jul. 1958, 00Z, 12Z, and 23Z - Sept. 1960. First GMDIA - Jun. 1, 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN									52	29	15	0				
1953	RAOB RAWIN					34	26	21	3	171	150	135	12				
1954	RAOB RAWIN					88	76	66	24	174	155	145	44	3	3	2	0
1955	RAOB RAWIN					88	71	63	22	172	150	140	34	3	3	2	0
1956	RAOB RAWIN					85	67	51	2	140	134	124	31				
1957	RAOB RAWIN					78	60	47		136	130	120	31				
1958	RAOB RAWIN									73	72	69	10				
1959	RAOB RAWIN									73	70	69	5				
1960	RAOB RAWIN					28	26	24	10	43	39	36	10				
						27	25	24	10	43	39	36	8				
						60	59	57	30	178	176	167	68	30	29	24	1
						55	54	52	27	174	169	162	58	30	29	24	0
						65	61	53	29	181	171	151	59				
						63	58	51	21	175	165	140	44				
						60	57	56	32								
						57	56	53	22								

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Goodland, Kans. (Mun. AP)	93056	39° 22'N	101° 42'W	1113	AF	7-18-52	7-24-57				
Goodland, Kans. (Mun. AP)	93056	39° 22'N	101° 42'W	1100	AF	7-25-57	5-31-58				
Goodland, Kans. (Mun. AP)	93056	39° 22'N	101° 42'W	1112	AF	6-1-58	9-30-60				

SALINA, KANSAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.		S 4	S 4	S 4	S 4	G 4	G 4	G 4				
1954	EQUIP. OBS.				G 3	G 3	G 3	G 3	G 3	G 3	38		
1955	EQUIP. OBS.	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3	M		
1956	EQUIP. OBS.	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3			
1957	EQUIP. OBS.		G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3			
1958	EQUIP. OBS.		G 4	G 3	G 4	G 4	G 4	G 4	G 4	G 4	G 4		
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN	58 9	46 1	32 1	4 0	181 47	162 31	126 23	13 1	182 172	170 152	153 133	10 9				
1954	RAOB RAWIN					83 73	68 53	60 49	19 16	166 156	153 142	130 126	18 16	4 4	4 4	4 4	0 0
1955	RAOB RAWIN	52 49	25 19	18 12	2 1	152 146	115 104	89 75	12 6	135 127	123 116	94 88	17 17				
1956	RAOB RAWIN	45 34	43 32	34 26	7 7	73 69	62 58	57 52	8 8	68 62	61 57	56 52	6 6				
1957	RAOB RAWIN	31 29	22 19	12 10	4 3	59 56	48 48	42 42	14 13	1 1	1 1	0 0	0 0				
1958	RAOB RAWIN	57 56	49 48	43 42	4 3	176 170	164 161	149 146	23 22	179 176	162 162	143 141	22 22	26 26	25 24	17 17	1 1
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: 03Z, 15Z, and 21Z - May thru Oct. 1954, Feb. thru Oct. 1955.
09Z, 15Z, and 21Z - Feb. thru Sept. 1956, Mar. thru May 1957. 06Z, 12Z,
and 18Z - Jun. thru Sept. 1957. 00Z, 12Z, and 18Z - Apr. 1958. First
GNDIA - Jun. 16, 1953.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Salina, Kans. (Smokey Hill AFB)	13922	38° 48'N	97° 38'W	383	AF	3- 1-53	2-14-56				
Salina, Kans. (Smokey Hill AFB)	13922	38° 48'N	97° 38'W	386	AF	2-15-56	2-28-57				
Salina, Kans. (Smokey Hill AFB)	13922	38° 48'N	97° 38'W	385	AF	3- 1-57	7- 5-57				
Salina, Kans. (Schilling AFB)	13922	38° 48'N	97° 38'W	385	AF	7- 5-57	10-15-58				

TOPEKA, KANSAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												G 4
1954	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1955	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1956	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1957	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 3	G 3	G 3	G 3	G 3	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 3	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 3	G 2	G 2	G 2	G 2	G 2	G 2	G 2

REMARKS: 002, 122, and 18Z - May thru Sept. 1950. First GHDLA - Dec. 22, 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN													9 9	0 0	0 0	0 0
1954	RAOB RAWIN	70 48	39 30	26 21	0 0	84 71	58 48	43 38	2 1	104 102	63 63	41 41	4 4	75 48	46 25	32 19	1 0
1955	RAOB RAWIN	96 45	57 20	44 12	0 0	152 123	107 84	91 68	13 8	142 131	102 98	88 84	9 6	142 116	91 73	59 36	0 0
1956	RAOB RAWIN	309 283	265 224	117 84	0 0	325 159	267 131	88 68	0 0	300 300	269 272	88 83	0 0	333 326	292 289	84 58	0 0
1957	RAOB RAWIN	336 315	260 260	64 38	0 0	330 327	282 283	141 127	0 0	347 351	316 320	156 157	0 0	147 283	123 230	47 37	0 0
1958	RAOB RAWIN	170 216	160 199	73 29	0 0	189 329	176 294	54 58	0 0	203 339	193 310	160 225	9 5	184 323	173 297	149 234	11 3
1959	RAOB RAWIN	171 284	156 242	133 185	16 7	206 328	197 301	170 228	12 10	174 309	163 277	146 242	25 25	121 199	71 109	46 61	12 7
1960	RAOB RAWIN	176 293	165 248	145 203	86 80	187 331	178 312	159 251	45 42	177 346	172 322	154 264	29 22	178 325	175 312	161 255	30 8

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Topeka, Kans. (Forbes AFB)	13920	38° 57' N	95° 40' W	329	AF	12-21-53	2- 1-54	47 ESE	Ft. Leavenworth, Kans. (Sherman AFB)	10-22-46	10-19-53
Topeka, Kans. (Forbes AFB)	13920	38° 57' N	95° 40' W	321	AF	2- 2-54	9-29-55				
Topeka, Kans.	13996	39° 04' N	95° 37' W	269	WB	9-30-55	- - -	7 NNE			

WICHITA, KANSAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.				S 2	S 2	S 2	S 3	S 3	S 2			
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 03Z, 12Z, and 21Z - Jul. and Aug. 1952.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN					101 46	73 24	42 9	11 1	134 70	96 32	61 18	10 1				
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Wichita, Kane. (McConnell AFB)	03923	37° 38'N	97° 16'W	418	AP	4-24-52	7-6-52				
Wichita, Kane. (McConnell AFB)	03923	37° 38'N	97° 16'W	415	AP	7-7-52	9-26-52				

FORT KNOX, KENTUCKY

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	OEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.					G 3	G 3	G 3	G 3	G 3	G 3		
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 03Z, 15Z, and 21Z - May thru Oct. 1954.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN					72 64	62 56	47 43	4 4	165 160	151 147	132 126	9 9	3 3	2 2	2 2	0 0
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Fort Knox, Ky. (Godman AFB)	13807	37° 54'N	85° 58'W	230	AF	5-16-54	10-2-54				

BURRWOOD, LOUISIANA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 1	R 2	R 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.								S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	27 1	0 0	0 0	0 0	36 15	0 0	0 0	0 0	26 20	0 0	0 0	0 0	14 8	0 0	0 0	0 0
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN									65 37	27 20	4 3	0 0	124 48	37 7	10 2	0 0
1951	RAOB RAWIN	147 28	79 9	39 8	1 0	156 97	94 52	52 25	0 0	144 142	88 86	36 34	0 0	99 44	71 32	30 13	1 0
1952	RAOB RAWIN	121 9	72 2	36 0	0 0	131 65	105 43	60 22	3 0	141 121	112 91	73 46	1 0	132 51	97 42	33 8	0 0
1953	RAOB RAWIN	148 20	106 13	53 7	0 0	152 83	119 74	43 23	0 0	149 149	94 93	13 11	0 0	153 67	104 47	27 9	0 0
1954	RAOB RAWIN	157 17	93 4	31 1	0 0	164 116	121 72	34 17	0 0	153 132	117 92	33 20	0 0	147 32	108 20	53 5	1 0
1955	RAOB RAWIN	136 15	92 7	39 2	0 0	151 79	117 67	40 18	0 0	144 141	123 117	61 49	1 1	114 49	96 36	61 20	2 0
1956	RAOB RAWIN	126 10	96 5	57 2	3 0	108 47	91 35	45 14	0 0	100 68	82 49	40 19	0 0	118 52	98 41	56 20	1 0
1957	RAOB RAWIN	134 25	104 17	73 10	1 0	147 104	129 86	99 58	0 0	153 143	128 118	101 89	34 12	134 44	110 32	88 21	8 0
1958	RAOB RAWIN	119 1	78 1	61 1	10 0	153 81	132 72	104 44	11 3	160 154	145 137	127 116	11 4	146 58	114 45	100 37	3 1
1959	RAOB RAWIN	157 10	123 9	97 6	7 0	173 122	150 88	137 70	20 5	175 161	168 135	148 135	9 6	126 58	96 39	89 33	28 3
1960	RAOB RAWIN	165 92	129 85	124 78	59 23	183 182	180 178	170 164	47 26	183 181	177 176	168 164	22 17	174 172	164 163	147 139	15 3

REMARKS: First GMDA - Feb. 17, 1960.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Burrwood, La. (WBO)	12863	28° 58'N	89° 22'W	2	WB	- - -	12-4-46	81 NW	New Orleans, La. (Moisant AP)	12-18-46	7-31-50
Burrwood, La. (WBO)	12863	28° 58'N	89° 22'W	3	WB	8-15-50	- - -	81 SE			

LAKE CHARLES, LOUISIANA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 3	S 4	S 3	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

REMARKS: During period - Mar. thru Oct. 1953, 032 and 152 obs. taken at Lake Charles (WBAS), 092 and 212 obs. taken at Lake Charles AFB. First QND1 - May 21, 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	72	12	1	0	103	9	0	0	79	3	0	0	64	3	0	0
1947	RAOB RAWIN	25	2	0	0	70	5	0	0	70	9	0	0	70	41	22	0
1948	RAOB RAWIN	39	2	0	0	102	29	7	0	131	81	43	1	115	55	31	1
1949	RAOB RAWIN	58	6	1	0	91	20	6	0	117	33	9	0	125	35	7	0
1950	RAOB RAWIN	132	18	6	0	125	48	21	1	156	85	34	0	150	105	71	9
1951	RAOB RAWIN	154	109	71	5	175	135	88	6	155	127	75	4	148	122	98	9
1952	RAOB RAWIN	92	70	57	1	131	108	80	0	126	99	65	0	115	83	57	1
1953	RAOB RAWIN	125	86	56	3	149	117	53	0	154	126	57	0	150	115	59	0
1954	RAOB RAWIN	137	114	46	1	139	114	64	1	109	79	42	0	145	95	74	0
1955	RAOB RAWIN	129	69	47	0	137	96	53	2	134	107	44	0	130	117	91	0
1956	RAOB RAWIN	158	134	78	0	155	138	83	1	152	137	90	0	161	140	77	0
1957	RAOB RAWIN	159	128	66	0	156	134	74	0	165	141	77	5	155	133	93	1
1958	RAOB RAWIN	155	134	67	0	165	138	80	2	141	107	79	0	135	113	102	8
1959	RAOB RAWIN	146	123	114	25	176	168	157	24	156	136	118	1	116	75	63	17
1960	RAOB RAWIN	132	109	102	28	170	148	136	40	173	165	141	45	165	154	136	30

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS			
						FROM	TO		NAME	FROM	TO	
Lake Charles, La. (WBAS)	13941	30° 13'N	93° 09'W	5	WB	- - -	- - -					

NEW ORLEANS, LOUISIANA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	OEC
1946	EQUIP. OBS.												R 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2					
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN													1	0	0	0
1947	RAOB RAWIN	3	0	0	0	1	0	0	0	3	0	0	0	43	2	0	0
1948	RAOB RAWIN	57	12	0	0	129	21	1	0	102	17	0	0	41	9	0	0
1949	RAOB RAWIN	62	20	1	0	73	16	1	0	52	1	0	0	88	3	0	0
1950	RAOB RAWIN	126	17	1	0	96	16	1	0	29	10	2	0				
1951	RAOB RAWIN	32	2	0	0	40	4	1	0	17	5	1	0				
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
New Orleans, La. (Moisant AP)	12916	29° 59'N	90° 15'W	3	WB	12-18-46	7-31-50	81 NW	Burrwood, La. (WB0)	- - -	12-4-46
								81 SE	Burrwood, La. (WB0)	8-15-50	- - -

SHREVEPORT, LOUISIANA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.								S	S	S	S	S
1949	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1950	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1951	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1952	EQUIP. OBS.	S	G	G	G	G	G	G	G	G	G	G	G
1953	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1954	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1955	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1956	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1957	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1958	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1959	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1960	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G

REMARKS: 03Z, 09Z, and 15Z - Feb. thru May 1950. 00Z, 12Z, and 18Z - Mar., May, and Jul. 1950. First GND1 - Jan. 17, 1952 and GND1A - Sept. 26, 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN									7	0	0	0	9	0	0	0
1949	RAOB RAWIN	43	0	0	0	54	13	10	0	52	39	19	3	46	28	17	3
1950	RAOB RAWIN	32	19	13	5	74	50	25	2	58	40	29	9	60	38	32	7
1951	RAOB RAWIN	8	4	2	0	52	32	14	0	43	27	18	6	10	5	4	0
1952	RAOB RAWIN	42	31	17	3	48	23	15	1	88	57	49	15	86	59	50	4
1953	RAOB RAWIN	5	2	2	1	11	4	2	0	55	34	11	3	24	15	0	0
1954	RAOB RAWIN	114	83	59	23	148	120	81	17	133	105	82	7	139	102	63	2
1955	RAOB RAWIN	94	70	1	0	145	118	1	0	128	102	0	0	136	100	31	0
1956	RAOB RAWIN	106	74	46	2	107	67	56	1	137	95	79	0	144	86	64	7
1957	RAOB RAWIN	103	70	1	0	107	67	10	0	135	95	79	0	136	85	64	7
1958	RAOB RAWIN	117	77	67	12	100	58	50	13	103	73	53	3	106	68	51	4
1959	RAOB RAWIN	114	76	67	12	94	55	48	13	101	72	53	3	102	66	51	4
1960	RAOB RAWIN	155	107	81	11	162	127	121	22	168	149	133	33	148	104	80	6
1946	RAOB RAWIN	143	94	70	9	150	102	101	20	160	143	129	33	141	100	75	6
1956	RAOB RAWIN	99	69	24	0	142	109	58	0	286	241	93	0	321	269	118	0
1957	RAOB RAWIN	95	67	19	0	139	103	49	0	291	247	78	1	318	271	93	0
1958	RAOB RAWIN	320	274	138	0	348	328	208	3	342	318	248	25	151	124	86	11
1959	RAOB RAWIN	316	269	102	0	355	337	181	1	345	323	244	8	282	209	94	8
1960	RAOB RAWIN	190	182	118	0	198	188	136	6	186	177	170	44	188	180	166	31
1946	RAOB RAWIN	330	297	105	0	337	302	178	9	343	320	285	38	353	324	289	14
1956	RAOB RAWIN	182	171	153	29	186	177	167	35	170	167	157	44	153	126	118	51
1957	RAOB RAWIN	327	297	249	9	321	277	249	21	330	293	259	54	286	213	176	38
1958	RAOB RAWIN	180	163	140	40	182	181	176	128	184	179	170	18	175	171	156	28
1959	RAOB RAWIN	315	256	188	24	346	329	303	139	363	347	299	11	337	317	253	8

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Shreveport, La. (Barksdale AFB)	13944	32° 30'N	93° 41'W	49	AF	8-24-48	2-11-52				
Shreveport, La. (Barksdale AFB)	13944	32° 30'N	93° 41'W	53	AF	2-12-52	1-10-56				
Shreveport, La.	13957	32° 28'N	93° 49'W	76	WB	1-11-56	4-11-60	8 SW			
Shreveport, La.	13957	32° 28'N	93° 49'W	79	WB	4-12-60	- - -				

BRUNSWICK, MAINE

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.			G 1	G 1	G 1	G 2	G 2	G 1	R 1	R 2	R 2	R 2
1954	EQUIP. OBS.	R 2	G 2	G 2	G 2	R 2	R 2	G 2	G 2	G 2	G 2	G 2	G 2
1955	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2							
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN	4 2	3 1	1 0	0 0	25 22	17 15	8 6	0 0	45 41	32 29	20 10	0 0	21 0	7 0	4 0	0 0
1954	RAOB RAWIN	33 11	8 3	3 2	0 0	7 2	1 1	1 1	0 0	5 4	1 1	0 0	0 0	1 0	0 0	0 0	0 0
1955	RAOB RAWIN	30 24	18 17	11 8	0 0	7 7	3 3	0 0	0 0								
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: Times of obs. are varied - Mar. thru May and Aug. 1953.
152 - Sept. 1953.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Brunswick, Me. (NAS)	14611	43° 53'N	69° 56'W	36	N	3-3-53	5-19-55				

CARIBOU, MAINE

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	S 2	S 2	S 2	S 2	S 2	S 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	R 2	R 2	R 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

REMARKS: First GNDA - Aug. 1, 1955.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	81 1	3 0	0 0	0 0	97 1	2 0	0 0	0 0	70 7	0 0	0 0	0 0	35 6	0 0	0 0	0 0
1947	RAOB RAWIN	16 9	0 0	0 0	0 0	32 11	0 0	0 0	0 0	61 26	0 0	0 0	0 0	22 4	1 0	0 0	0 0
1948	RAOB RAWIN	51 3	3 1	0 0	0 0	78 24	28 13	3 1	0 0	3 0	0 0	0 0	0 0	14 4	3 0	0 0	0 0
1949	RAOB RAWIN	60 7	16 1	0 0	0 0	31 5	0 0	0 0	0 0	102 47	0 0	0 0	0 0	89 29	0 0	0 0	0 0
1950	RAOB RAWIN	101 29	10 6	3 0	0 0	115 63	53 21	9 4	0 0	130 66	34 16	5 1	0 0	112 32	41 13	5 0	0 0
1951	RAOB RAWIN	131 59	67 31	20 13	0 0	159 115	86 60	51 31	0 0	148 83	73 34	35 12	0 0	150 53	170 15	19 4	1 0
1952	RAOB RAWIN	135 75	104 52	35 8	0 0	147 80	107 56	56 27	0 0	153 75	123 56	67 22	2 0	164 66	124 47	42 15	0 0
1953	RAOB RAWIN	153 74	107 51	41 15	0 0	165 97	135 80	63 35	0 0	169 51	136 42	75 22	0 0	152 40	100 22	38 6	0 0
1954	RAOB RAWIN	157 51	107 33	36 9	0 0	161 63	133 55	75 30	0 0	179 82	159 70	121 49	1 1	162 34	128 28	65 11	0 0
1955	RAOB RAWIN	157 62	113 44	51 12	0 0	173 87	144 70	35 13	0 0	151 52	115 36	50 16	0 0	139 124	107 98	53 28	0 0
1956	RAOB RAWIN	129 159	108 99	69 51	3 1	157 153	129 126	85 82	6 4	151 152	127 132	73 76	2 1	134 115	93 85	49 38	0 0
1957	RAOB RAWIN	150 135	109 100	51 34	0 0	153 149	119 120	67 64	3 1	164 163	138 137	108 106	25 7	153 137	132 124	99 84	29 11
1958	RAOB RAWIN	135 242	110 207	55 69	3 0	145 141	108 110	53 50	9 7	157 155	119 121	91 88	12 13	162 148	127 117	110 93	9 1
1959	RAOB RAWIN	157 147	147 138	125 107	22 4	153 151	128 132	97 93	17 8	164 163	146 147	121 118	16 10	163 150	143 134	129 120	77 59
1960	RAOB RAWIN	155 153	128 128	109 107	53 44	170 171	158 157	136 132	58 50	181 181	173 174	153 149	28 23	179 170	171 160	139 123	20 4

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Caribou, Me. (WBAS)	14607	46° 52'N	68° 01'W	192	WB	- - -	11-30-48				
Caribou, Me. (WBAS)	14607	46° 52'N	68° 01'W	194	WB	12-1-48	10-31-50				
Caribou, Me. (WBAS)	14607	46° 52'N	68° 01'W	191	WB	11-1-50	5-25-53				
Caribou, Me. (WBAS)	14607	46° 52'N	68° 01'W	197	WB	5-26-53	9- 3-54				
Caribou, Me. (WBAS)	14607	46° 52'N	68° 01'W	191	WB	9- 4-54	- - -				

PORTLAND, MAINE

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1955	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1956	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1957	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1958	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1959	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1960	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	63	2	0	0	86	0	0	0	82	0	0	0	75	2	0	0
1947	RAOB RAWIN	58	1	0	0	78	0	0	0	74	0	0	0	37	1	1	0
1948	RAOB RAWIN	49	4	0	0	132	77	48	4	152	106	57	0	115	57	44	3
1949	RAOB RAWIN	35	1	0	0	39	0	0	0	64	0	0	0	70	0	0	0
1950	RAOB RAWIN	72	28	3	0	81	18	7	0	88	39	12	0	67	26	8	0
1951	RAOB RAWIN	102	52	29	0	135	89	53	0	111	65	34	1	75	29	12	0
1952	RAOB RAWIN	85	62	32	1	112	86	48	2	121	86	33	1	92	53	22	0
1953	RAOB RAWIN	88	49	27	0	131	98	47	0	145	122	92	3	132	107	54	0
1954	RAOB RAWIN	138	104	32	0	158	125	43	0	126	111	49	1	160	126	58	0
1955	RAOB RAWIN	141	100	34	0	142	103	24	0	163	139	67	1	126	95	23	0
1956	RAOB RAWIN	149	101	19	0	154	116	40	0	161	141	64	0	169	149	48	0
1957	RAOB RAWIN	166	134	39	0	165	129	30	0	146	108	72	13	155	129	81	8
1958	RAOB RAWIN	174	144	56	1	179	168	88	4	180	171	141	6	179	165	134	11
1959	RAOB RAWIN	175	158	133	2	177	158	135	8	167	133	102	6	141	119	100	29
1960	RAOB RAWIN	161	143	124	57	171	157	136	37	180	168	146	9	165	148	121	27

REMARKS: First GND1A - Jun. 8, 1955 and GND1 - Oct. 1, 1955.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		OIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Portland, Me. (WBAS)	14764	43° 39'N	70° 19'W	23	WB	- - -	6-12-55				
Portland, Me. (WBAS)	14764	43° 39'N	70° 19'W	20	WB	6-13-55	- - -				

ABERDEEN, MARYLAND

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.						G 1	G 2	G 2	G 2	G 2	G 2	G 2
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: First CMD1 - Jun. 23, 1951.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Aberdeen, Md. (Phillips Fld.)	13701	39° 27'N	76° 06'W	1	AF	6-23-51	12-14-51				

PATUXENT RIVER, MARYLAND

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: Raob Summaries available - Jan. thru Mar. 1946, May thru Sept. 1950, Nov. 1950 thru Apr. 1951 and Sept. 1951.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Patuxent River, Md.	13721	38° 17' N	76° 24' W	10	N	- - -	9-30-51				

NANTUCKET, MASSACHUSETTS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.				R 1	R 1	R 2	R 1	R 1	S 1	R 1	S 2	S 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2

REMARKS: 042 - Apr., Jul. thru Oct. 1946. 162 - May 1946.
First WBRT 57 - Dec. 10, 1959.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN					43	0	0	0	38	0	0	0	28	0	0	0
1947	RAOB RAWIN	12	0	0	0	34	0	0	0	26	1	0	0	2	0	0	0
1948	RAOB RAWIN	3	1	0	0	65	12	1	0	128	60	12	0	87	48	23	0
1949	RAOB RAWIN	87	35	12	0	68	16	3	0	69	0	0	0	74	1	0	0
1950	RAOB RAWIN	52	1	0	0	83	8	2	0	122	47	6	0	144	82	30	0
1951	RAOB RAWIN	144	92	30	0	145	100	23	0	157	100	28	0	149	75	31	0
1952	RAOB RAWIN	126	7	39	0	131	102	54	1	153	129	65	0	152	104	49	0
1953	RAOB RAWIN	158	111	38	0	160	127	67	0	172	157	112	2	159	118	67	0
1954	RAOB RAWIN	168	131	50	0	160	139	79	0	176	154	124	1	172	147	99	0
1955	RAOB RAWIN	167	140	74	0	170	147	63	0	178	172	104	5	174	157	69	1
1956	RAOB RAWIN	160	138	49	0	152	136	66	0	172	163	111	1	165	143	69	0
1957	RAOB RAWIN	165	140	48	0	176	153	90	0	180	171	126	0	163	149	104	0
1958	RAOB RAWIN	162	149	98	0	174	168	137	0	183	178	162	0	181	173	150	4
1959	RAOB RAWIN	172	169	152	25	177	174	159	24	173	165	151	19	135	114	101	30
1960	RAOB RAWIN	164	148	134	78	173	167	157	81	177	177	162	39	166	161	138	34

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Nantucket, Mass.	14756	41° 15' N	70° 04' W	14	WB	4-16-46	11-21-50				
Nantucket, Mass.	14756	41° 15' N	70° 04' W	20	WB	11-22-50	2-28-51				
Nantucket, Mass.	14756	41° 15' W	70° 04' W	14	WB	3-1-51	- - -				

BATTLE CREEK, MICHIGAN

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.					G 3	G 3	G 3	G 3	G 3	G 3#		
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 03Z, 15Z, and 21Z - May thru Oct. 1954.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN					89 87	75 73	67 66	9 9	165 158	145 141	132 127	24 24	4 4	1 1	1 1	0 1
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Battle Creek, Mich. (Pt. Ouster)	94829	42° 15'N	85° 10'W	273	A	5-16-54	10-2-54				

FLINT, MICHIGAN

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

REMARKS: 002, 122, and 182 - Aug. 1958.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN									17 16	13 13	9 8	0 0	145 128	105 95	73 59	12 6
1957	RAOB RAWIN	149 116	125 90	93 63	0 0	171 166	156 147	111 98	1 1	163 158	146 141	109 98	10 2	139 129	119 110	86 77	3 0
1958	RAOB RAWIN	169 165	157 153	123 99	3 0	178 173	169 166	143 133	24 7	176 175	143 141	124 106	17 5	179 159	170 165	143 138	27 8
1959	RAOB RAWIN	170 153	160 145	123 111	5 1	176 176	165 164	147 144	12 7	171 167	161 161	149 144	78 47	151 137	113 106	92 88	35 16
1960	RAOB RAWIN	173 162	161 150	147 140	50 39	180 175	177 174	163 159	37 15	181 181	179 179	166 163	26 17	181 172	176 169	155 148	18 7

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Flint, Mich. (Bishop AP)	14826	42° 58'N	83° 44'W	234	WB	9-19-56	- - -	52 WNW	Mt. Clemens, Mich. (Selfridge AFB)	1-4-47	9-18-56

MOUNT CLEMENS, MICHIGAN

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.	S 1	S M	S M			S 2	S M			S M	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1949	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1950	EQUIP. OBS.	S 2	S 3	S 3	S 3	S 3	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1951	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1952	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1953	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1954	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1955	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1956	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN	0 0	0 0	0 0	0 0	4 1	2 0	0 0	0 0					7 1	0 0	0 0	0 0
1948	RAOB RAWIN	4 0	0 0	0 0	0 0	6 2	0 0	0 0	0 0	16 16	2 2	1 1	0 0	10 8	0 0	0 0	0 0
1949	RAOB RAWIN	6 1	0 0	0 0	0 0	38 23	15 7	8 5	3 0	23 12	2 0	0 0	0 0	39 20	15 8	7 4	1 1
1950	RAOB RAWIN	38 9	7 3	7 3	3 2	82 26	65 17	52 14	29 7	81 50	38 21	31 18	13 7	85 28	60 19	55 18	19 2
1951	RAOB RAWIN	78 10	59 6	51 5	14 1	82 48	63 38	57 35	18 12	158 65	126 28	96 17	11 1	157 32	116 18	76 9	2 0
1952	RAOB RAWIN	147 34	107 16	69 9	3 1	137 64	84 31	51 18	1 0	90 88	54 50	31 30	1 1	127 112	94 86	65 60	16 13
1953	RAOB RAWIN	135 117	99 90	55 51	5 3	127 120	107 99	74 70	6 6	98 96	70 67	53 50	1 1	148 147	114 114	93 93	4 4
1954	RAOB RAWIN	96 86	69 65	44 40	3 3	149 144	119 115	89 86	7 3	176 175	157 154	124 122	12 8	159 158	121 119	89 84	5 3
1955	RAOB RAWIN	150 145	89 88	53 48	6 4	159 158	124 124	88 86	10 5	164 161	131 130	104 101	24 18	164 159	125 122	87 81	7 5
1956	RAOB RAWIN	174 167	150 145	112 108	13 3	168 162	144 142	127 120	17 9	157 154	146 146	137 133	26 14				
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: 042 - Jan. 1947. First GMD1 - Jun. 30, 1952 and GMD1A - Sept. 4, 1953.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Mt. Clemens, Mich. (Selfridge AFB)	14804	42° 37'N	82° 50'W	176	AF	1-4-47	9-18-56	52 WNW	Plint, Mich. (Bishop AP)	9-19-56	- - -

SAULT STE. MARIE, MICHIGAN

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1955	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1956	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1957	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1958	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1959	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1960	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4

REMARKS: First GMDA - Dec. 6, 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	65	0	0	0	98	4	0	0	107	6	0	0	43	3	0	0
1947	RAOB RAWIN	10	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0
1948	RAOB RAWIN	16	0	0	0	69	15	0	0	23	0	0	0	16	3	0	0
1949	RAOB RAWIN	1	0	0	0	11	0	0	0	66	0	0	0	43	0	0	0
1950	RAOB RAWIN	80	21	15	4	109	36	8	0	132	41	10	0	136	67	14	1
1951	RAOB RAWIN	128	62	17	0	165	114	42	0	164	99	57	7	149	97	54	1
1952	RAOB RAWIN	140	105	44	1	161	133	84	7	163	137	100	3	169	122	57	0
1953	RAOB RAWIN	158	111	31	0	158	127	63	0	122	56	38	2	77	35	14	0
1954	RAOB RAWIN	81	51	29	0	84	52	36	6	101	53	40	0	36	14	8	0
1955	RAOB RAWIN	64	37	28	0	230	129	50	3	260	171	103	2	143	84	40	7
1956	RAOB RAWIN	237	172	78	0	221	165	104	4	284	248	187	8	272	231	118	2
1957	RAOB RAWIN	278	196	95	2	297	252	165	0	322	268	211	25	322	274	177	21
1958	RAOB RAWIN	328	281	222	54	329	290	209	3	317	266	229	37	308	255	203	26
1959	RAOB RAWIN	332	297	260	71	325	307	286	78	316	288	261	67	323	282	233	55
1960	RAOB RAWIN	334	294	243	33	335	307	278	42	170	138	90	1	164	143	120	5

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Sault Ste. Marie, Mich. (WBO)	14847	46° 28'N	84° 22'W	225	WB	- - -	12-4-53				
Sault Ste. Marie, Mich. (WBO)	14847	46° 28'N	84° 22'W	221	WB	12-5-53	- - -				

INTERNATIONAL FALLS, MINNESOTA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	S 2	S 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	G 2	G 2	G 2
1955	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	71	15	0	0	103	15	0	0	98	6	0	0	19	0	0	0
1947	RAOB RAWIN	11	0	0	0	17	0	0	0	26	0	0	0	35	6	0	0
1948	RAOB RAWIN	52	7	0	0	121	29	2	0	53	2	0	0	59	9	1	0
1949	RAOB RAWIN	56	21	2	0	72	26	4	0	77	0	0	0	45	0	0	0
1950	RAOB RAWIN	42	10	1	0	57	3	1	0	50	10	5	0	101	28	4	0
1951	RAOB RAWIN	115	41	5	0	134	44	23	1	150	66	36	1	141	97	35	2
1952	RAOB RAWIN	119	78	31	2	163	142	110	7	167	148	109	7	152	114	43	0
1953	RAOB RAWIN	164	116	41	0	170	150	64	0	163	128	63	0	163	118	29	0
1954	RAOB RAWIN	159	104	28	0	166	129	71	0	167	151	97	2	156	117	44	0
1955	RAOB RAWIN	145	81	30	0	127	93	17	0	148	119	58	0	132	94	31	0
1956	RAOB RAWIN	116	68	13	0	111	71	9	0	128	84	2	0	135	92	10	0
1957	RAOB RAWIN	106	60	8	0	151	126	45	0	163	143	94	9	155	132	62	1
1958	RAOB RAWIN	170	159	89	4	175	166	70	0	177	158	111	2	177	155	122	2
1959	RAOB RAWIN	178	155	119	1	170	151	121	15	176	164	230	15	150	105	68	21
1960	RAOB RAWIN	347	284	164	1	325	270	188	17	327	292	230	20	283	192	108	19
	RAOB RAWIN	175	135	101	14	180	173	159	33	182	171	155	8	176	144	88	0
	RAOB RAWIN	320	231	119	7	347	302	236	23	359	328	249	8	338	243	99	0

REMARKS: First GNDI - Oct. 4, 1954 and WBRT 57 - Jan. 26, 1960.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
International Falls, Minn. (WBO)	14918	48° 34'N	93° 23'W	360	WB	- - -	11-30-52				
International Falls, Minn. (WBO)	14918	48° 34'N	93° 23'W	368	WB	12-1-52	11-30-54				
International Falls, Minn. (WBO)	14918	48° 34'N	93° 23'W	360	WB	12-1-54	- - -				

SAINT CLOUD, MINNESOTA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.					R	R	R	R	R	R	R	R
1947	EQUIP. OBS.					R	R	R	R	R	R	R	R
1948	EQUIP. OBS.	R	R	R	S	S	S	R	R	R	S	S	S
1949	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1950	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1951	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1952	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1953	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1954	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1955	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1956	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1957	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1958	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1959	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1960	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S

REMARKS: WBAN 33 only - May 1947 thru Mar. 1948, Jul. thru Sept. 1948.
Frec WRT 57 - Feb. 22, 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN					17	0	0	0	13	1	1	0	30	2	0	0
1947	RAOB RAWIN					1	0	0	0	7	0	0	0	10	0	0	0
1948	RAOB RAWIN	61	10	0	0	30	5	0	0	38	19	1	0	72	15	4	1
1949	RAOB RAWIN	25	5	0	0	12	1	0	0	21	9	0	0	36	8	3	1
1950	RAOB RAWIN	71	24	1	0	127	33	0	0	138	41	4	0	91	14	1	0
1951	RAOB RAWIN	20	4	0	0	69	12	0	0	84	22	3	0	24	4	0	0
1952	RAOB RAWIN	97	4	0	0	113	55	18	1	146	63	25	0	143	93	44	6
1953	RAOB RAWIN	32	0	0	0	55	28	10	0	84	38	15	0	25	13	9	0
1954	RAOB RAWIN	161	81	35	4	155	100	70	3	165	111	68	6	154	92	45	1
1955	RAOB RAWIN	63	28	16	1	88	57	45	0	70	47	37	1	50	28	13	0
1956	RAOB RAWIN	148	93	39	0	150	120	73	0	171	150	112	1	160	127	42	0
1957	RAOB RAWIN	75	51	10	0	91	82	41	0	69	73	56	0	70	51	12	0
1958	RAOB RAWIN	163	127	41	0	161	130	48	0	166	146	43	0	166	117	24	0
1959	RAOB RAWIN	53	37	9	0	72	54	17	0	98	87	23	0	90	71	9	0
1960	RAOB RAWIN	172	106	31	0	172	148	81	0	168	157	95	0	177	155	73	1
1961	RAOB RAWIN	65	43	10	0	69	81	48	0	86	97	54	0	93	83	29	1
1962	RAOB RAWIN	166	128	39	0	177	151	97	0	166	148	123	2	173	151	113	3
1963	RAOB RAWIN	70	52	10	0	154	139	70	0	119	119	99	0	76	77	58	0
1964	RAOB RAWIN	163	125	56	0	171	142	95	0	174	159	101	0	167	140	60	1
1965	RAOB RAWIN	75	62	25	0	97	89	63	0	106	111	71	0	55	49	26	0
1966	RAOB RAWIN	163	135	90	0	161	153	129	2	169	150	126	42	176	161	114	15
1967	RAOB RAWIN	49	43	27	0	82	84	81	0	75	84	82	16	78	70	41	4
1968	RAOB RAWIN	167	162	142	1	173	158	122	5	174	167	146	0	181	180	165	7
1969	RAOB RAWIN	97	102	88	0	80	81	69	0	67	76	71	0	41	43	43	1
1970	RAOB RAWIN	179	177	162	20	179	173	163	22	180	174	159	22	171	143	101	9
1971	RAOB RAWIN	49	57	55	3	70	86	95	6	92	119	127	12	39	32	23	0
1972	RAOB RAWIN	171	151	121	24	181	177	162	20	183	180	164	15	180	176	163	14
1973	RAOB RAWIN	116	110	82	11	178	173	154	8	182	179	162	5	177	175	160	4

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
St. Cloud, Minn. (WBO)	14926	45° 35'N	94° 11'W	317	WB	5-25-47	- - -	71 NW	St. Paul, Minn. (WBO)	- - -	5-20-47

SAINT PAUL, MINNESOTA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2							
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	76	7	1	0	97	3	0	0	115	2	0	0	64	6	1	0
1947	RAOB RAWIN	32	0	0	0	9	0	0	0								
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
St. Paul, Minn. (WB0)	14927	44° 56'N	93° 04'W	224	WB	- - -	5-20-47	71 NW	St. Cloud, Minn. (WB0)	5-25-47	- - -

JACKSON, MISSISSIPPI

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.			G 4	G 4	G 4							
1954	EQUIP. OBS.	G 3	G 4	G 4	G 4								
1955	EQUIP. OBS.		G 3	G 3	G 3								
1956	EQUIP. OBS.		G 4	G 4	G 4	G 4	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

REMARKS: Times of obs. are varied - Jan. 1954, 032, 152, and 212 - Feb. thru Apr. 1955, Feb. thru Apr. 1956, 002, 122, and 182 - Mar. and May 1958, May 1959. First CHDIA - Feb. 15, 1955 and WBRT 57 - Aug. 1, 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN	55 43	44 30	24 16	0 0	75 68	60 55	45 39	1 1								
1954	RAOB RAWIN	103 96	63 59	54 50	8 8	57 56	53 50	45 42	12 12								
1955	RAOB RAWIN	80 67	61 46	53 37	11 9	59 58	52 42	46 5	5 5								
1956	RAOB RAWIN	95 90	70 66	36 31	0 0	152 122	124 102	78 55	0 0	160 159	137 133	85 72	0 0	163 146	146 131	116 101	0 0
1957	RAOB RAWIN	158 118	136 107	103 77	1 0	168 159	164 138	109 93	0 0	157 153	140 139	133 126	18 3	175 123	163 120	142 107	5 2
1958	RAOB RAWIN	173 83	165 86	140 75	0 0	174 145	158 139	134 123	24 11	170 169	159 158	152 149	39 23	178 132	170 131	157 126	33 14
1959	RAOB RAWIN	172 79	151 81	120 75	6 0	180 163	168 155	142 131	9 3	179 177	169 168	154 150	32 27	158 101	128 96	120 90	73 48
1960	RAOB RAWIN	170 56	164 56	129 60	51 16	181 158	179 156	165 143	57 27	181 177	179 176	172 167	39 15	182 118	174 116	160 108	31 6

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Jackson, Miss. (Hawkins Fid.)	13927	30° 23'N	90° 13'W	105	AF	3- 1-53	1-25-54				
Jackson, Miss. (Hawkins Fid.)	13927	30° 23'N	90° 13'W	98	AF	1-26-54	2-14-55				
Jackson, Miss. (Hawkins Fid.)	13927	30° 23'N	90° 13'W	96	AF	2-15-55	2- 1-56				
Jackson, Miss.	13956	32° 20'N	90° 13'W	101	WB	2- 1-56	2-19-60	3 S			
Jackson, Miss.	13956	32° 20'N	90° 13'W	94	WB	2-20-60	- - -				

COLUMBIA, MISSOURI

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1955	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	27 2	0 0	0 0	0 0	29 15	0 0	0 0	0 0	45 37	0 0	0 0	0 0	9 6	0 0	0 0	0 0
1947	RAOB RAWIN	8 3	0 0	0 0	0 0	11 6	0 0	0 0	0 0	16 15	0 0	0 0	0 0	33 23	2 2	0 0	0 0
1948	RAOB RAWIN	36 9	4 2	0 0	0 0	84 48	22 9	1 0	0 0	67 53	22 11	3 3	0 0	49 32	23 6	7 1	0 0
1949	RAOB RAWIN	6 0	0 0	0 0	0 0	46 35	0 0	0 0	0 0	85 52	0 0	0 0	0 0	72 21	0 0	0 0	0 0
1950	RAOB RAWIN	127 30	7 2	0 0	0 0	115 62	25 9	3 1	0 0	116 76	36 18	4 3	0 0	121 40	41 12	5 1	0 0
1951	RAOB RAWIN	100 14	44 7	12 2	2 0	158 79	104 11	57 2	8 1	158 56	113 20	46 8	0 0	143 19	89 6	48 5	2 0
1952	RAOB RAWIN	135 8	83 0	43 0	1 0	156 35	126 8	80 2	0 0	152 49	130 21	80 15	2 0	175 48	152 23	93 9	0 0
1953	RAOB RAWIN	165 24	132 7	91 2	0 0	165 34	138 6	72 2	1 0	174 63	147 24	77 10	0 0	152 84	129 33	61 9	0 0
1954	RAOB RAWIN	165 154	130 101	76 37	0 0	164 148	137 111	98 64	0 0	161 143	137 114	92 56	0 0	155 136	128 98	77 47	0 0
1955	RAOB RAWIN	151 128	97 71	27 11	0 0	162 161	141 141	65 48	0 0	164 163	136 139	83 81	3 2	142 156	118 132	74 56	1 1
1956	RAOB RAWIN	164 159	145 143	62 48	0 0	153 154	118 123	51 50	0 0	159 159	142 143	47 54	0 0	169 164	147 144	47 34	0 0
1957	RAOB RAWIN	164 136	142 123	74 49	0 0	179 193	167 179	120 123	0 0	186 185	173 173	94 97	0 0	179 178	164 164	94 64	0 0
1958	RAOB RAWIN	177 176	171 170	94 52	0 0	193 194	176 178	109 97	0 0	207 209	192 193	152 150	0 0	185 179	178 173	140 133	1 0
1959	RAOB RAWIN	183 174	170 165	135 126	9 4	202 202	198 199	168 160	11 3	178 179	170 171	146 140	1 3	138 132	97 94	78 69	19 9
1960	RAOB RAWIN	170 161	141 137	121 110	22 12	198 198	194 192	185 181	37 19	182 180	172 171	168 165	39 37	153 148	125 120	106 95	6 1

REMARKS: First GMDI - Dec. 6, 1953 and WBRT 57 - Apr. 6, 1960.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Columbia, Mo. (WBO)	13983	38° 58'N	92° 22'W	238	WB	2-2-46	- - -				

GLASGOW, MONTANA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1955	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

REMARKS: First Raob plus SCR 658 - Oct. 27, 1955 and WBRT 57 - Feb. 29, 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	35 0	5 0	0 0	0 0	54 0	1 0	0 0	0 0	55 0	4 0	1 0	0 0	27 0	2 0	2 0	1 0
1947	RAOB RAWIN	33 1	0 0	0 0	0 0	42 1	0 0	0 0	0 0	66 5	0 0	0 0	0 0	52 1	3 0	0 0	0 0
1948	RAOB RAWIN	62 0	0 0	0 0	0 0	105 3	58 3	20 1	0 0	125 0	76 0	52 0	0 0	100 0	45 0	15 0	0 0
1949	RAOB RAWIN	35 0	0 0	0 0	0 0	76 0	19 0	2 0	0 0	89 0	36 0	12 0	0 0	25 0	0 0	0 0	0 0
1950	RAOB RAWIN	98 0	4 0	0 0	0 0	93 0	26 0	7 0	0 0	135 3	75 0	24 0	0 0	124 0	55 0	29 0	0 0
1951	RAOB RAWIN	131 0	67 0	26 0	0 0	142 4	69 0	23 0	0 0	164 4	118 2	79 2	5 0	151 4	126 1	86 0	6 0
1952	RAOB RAWIN	121 0	80 0	40 0	0 0	145 3	96 0	65 0	1 0	155 4	98 2	59 0	1 0	154 3	115 2	62 1	0 0
1953	RAOB RAWIN	117 0	74 0	41 0	0 0	152 0	114 0	54 0	0 0	154 1	135 1	77 1	0 0	158 1	133 0	76 0	0 0
1954	RAOB RAWIN	137 0	93 0	24 0	0 0	158 0	118 4	40 1	2 0	161 22	134 14	61 6	1 0	160 24	122 15	42 3	0 0
1955	RAOB RAWIN	152 8	108 4	24 0	1 0	164 16	146 12	53 7	1 0	157 21	142 15	94 6	3 0	133 40	111 35	50 7	3 0
1956	RAOB RAWIN	159 76	141 64	26 8	0 0	168 96	155 87	42 21	0 0	158 86	137 73	42 21	0 0	137 42	104 31	23 3	0 0
1957	RAOB RAWIN	140 45	101 38	30 3	0 0	165 115	150 105	63 37	0 0	168 68	157 58	96 31	0 0	172 58	151 51	74 12	0 0
1958	RAOB RAWIN	177 90	172 84	81 15	0 0	174 73	167 68	114 34	1 0	164 59	151 52	133 48	0 0	176 19	150 13	124 8	0 0
1959	RAOB RAWIN	171 44	167 40	145 35	3 0	176 67	173 65	161 54	13 0	175 55	168 51	153 47	4 0	174 30	166 28	152 23	1 0
1960	RAOB RAWIN	172 104	165 99	151 90	58 30	177 172	165 158	159 152	109 97	181 177	175 171	162 158	46 40	165 163	159 157	148 141	20 6

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Glasgow, Mont. (WBO)	24034	48° 11'N	106° 38'W	696	WB	- - -	10-26-55				
Glasgow, Mont. (WBAS)	94008	48° 13'N	106° 37'W	696	WB	10-26-55	- - -	2 NNE			

GREAT FALLS, MONTANA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	85 2	85 2	85 2	85 2	85 2	85 2	85 2	85 2	85 2
1954	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1955	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	62 1	9 0	1 0	0 0	83 4	2 0	0 0	0 0	104 1	6 0	1 0	0 0	49 0	8 0	1 0	0 0
1947	RAOB RAWIN	64 0	3 0	0 0	0 0	62 2	0 0	0 0	0 0	47 0	3 0	0 0	0 0	56 0	2 0	0 0	0 0
1948	RAOB RAWIN	58 0	3 0	0 0	0 0	108 3	39 0	19 0	0 0	107 0	56 0	31 0	0 0	123 2	56 0	18 0	0 0
1949	RAOB RAWIN	123 0	52 0	23 0	0 0	114 2	53 1	24 0	0 0	107 0	65 0	41 0	0 0	40 0	0 0	0 0	0 0
1950	RAOB RAWIN	41 0	6 0	0 0	0 0	68 0	9 0	0 0	0 0	124 14	47 3	18 2	0 0	71 3	27 0	18 0	0 0
1951	RAOB RAWIN	91 2	36 1	18 0	1 0	130 15	93 5	57 3	2 0	158 12	122 9	72 9	10 0	137 11	100 7	62 5	2 0
1952	RAOB RAWIN	140 15	106 13	81 10	11 2	153 27	130 18	92 10	15 0	150 36	135 29	108 20	12 1	166 22	124 16	71 10	1 0
1953	RAOB RAWIN	164 12	108 9	55 5	0 0	158 9	111 5	53 0	0 0	171 15	145 11	93 0	1 0	163 34	140 27	89 11	3 0
1954	RAOB RAWIN	137 108	102 96	64 53	0 0	161 150	134 126	104 87	0 0	175 161	154 147	121 102	0 0	163 118	115 89	53 40	0 0
1955	RAOB RAWIN	160 134	97 86	29 18	0 0	169 166	138 138	75 63	0 0	175 175	159 160	117 110	0 0	148 149	121 128	71 46	0 0
1956	RAOB RAWIN	169 164	154 151	100 75	0 0	155 149	127 124	66 55	1 0	150 150	123 123	74 80	0 0	149 134	120 111	49 37	0 0
1957	RAOB RAWIN	140 128	120 111	42 33	0 0	169 167	165 161	116 107	0 0	173 173	158 159	129 130	26 8	168 326	152 291	98 108	4 1
1958	RAOB RAWIN	175 344	162 317	115 137	2 1	175 342	168 325	126 193	22 19	176 342	163 320	143 254	16 17	181 355	171 328	148 234	0 0
1959	RAOB RAWIN	178 345	171 326	152 253	6 4	175 335	169 314	157 276	46 32	179 353	174 341	164 299	25 18	180 327	173 315	156 252	32 10
1960	RAOB RAWIN	165 306	135 232	109 154	47 38	172 340	167 327	160 296	75 77	178 348	165 317	144 250	25 29	183 346	172 312	142 239	3 0

REMARKS: First Raob plus SCR 584 - Apr. 2, 1953 and GHD1 - Dec. 18, 1953.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Great Falls, Mont. (WBAN)	24143	47° 29'N	111° 21'W	1123	WB	- - -	- - -				

KEARNEY, NEBRASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.									S 4	S 4	S 4	
1949	EQUIP. OBS.	S 4	S 4	S 4									
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN													15 14	0 0	0 0	0 0
1949	RAOB RAWIN	50 27	29 11	9 5	0 0												
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Kearney, Neb. (AFB)	14905	40° 44' N	99° 01' W	650	AF	10-18-48	3-31-49				

NORTH PLATTE, NEBRASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	71 2	1 0	0 0	0 0	84 4	3 0	0 0	0 0	83 10	6 0	0 0	0 0	79 0	4 0	0 0	0 0
1947	RAOB RAWIN	75 0	3 0	0 0	0 0	61 0	0 0	0 0	0 0	49 0	1 0	0 0	0 0	43 1	0 0	0 0	0 0
1948	RAOB RAWIN	36 3	2 0	1 0	0 0	93 8	13 1	5 0	0 0	61 4	7 0	0 0	0 0	23 2	8 0	4 0	0 0
1949	RAOB RAWIN	32 2	12 1	2 0	0 0	74 1	0 0	0 0	0 0	99 4	3 0	0 0	0 0	110 1	12 0	0 0	0 0
1950	RAOB RAWIN	131 1	33 0	13 0	0 0	112 2	48 2	26 1	0 0	108 2	44 0	16 0	0 0	130 2	66 1	16 0	0 0
1951	RAOB RAWIN	114 12	72 6	30 3	0 0	146 7	101 5	52 3	7 1	161 7	127 4	88 0	4 0	157 10	106 6	54 2	1 0
1952	RAOB RAWIN	158 6	119 3	68 1	4 0	161 16	119 7	76 2	2 0	159 13	137 5	83 2	0 0	165 20	118 13	58 9	1 0
1953	RAOB RAWIN	138 14	84 6	28 3	0 0	114 59	88 40	62 28	0 0	140 111	109 73	73 43	0 0	123 67	83 38	33 14	0 0
1954	RAOB RAWIN	147 21	91 15	24 3	0 0	159 56	137 34	75 12	0 0	157 71	139 56	85 31	0 0	166 38	145 18	61 4	0 0
1955	RAOB RAWIN	174 25	142 15	51 0	0 0	157 62	129 42	36 8	0 0	161 55	141 31	47 9	0 0	144 20	89 8	28 1	0 0
1956	RAOB RAWIN	165 51	137 41	27 2	0 0	157 90	126 64	26 7	0 0	168 119	155 101	34 23	0 0	174 78	156 66	44 12	0 0
1957	RAOB RAWIN	163 47	125 41	40 7	1 0	168 114	146 103	69 44	0 0	165 165	148 150	77 76	0 0	172 103	148 83	68 18	0 0
1958	RAOB RAWIN	174 120	155 111	85 38	0 0	196 119	186 110	144 72	5 1	215 150	214 149	201 141	39 22	177 61	169 61	160 56	29 7
1959	RAOB RAWIN	174 54	167 54	159 52	25 3	187 126	183 123	169 117	29 15	184 161	180 154	169 144	21 10	146 72	125 71	111 64	53 18
1960	RAOB RAWIN	177 153	168 143	144 112	57 29	182 178	175 171	168 161	62 47	179 175	177 172	168 160	31 20	182 168	179 163	158 134	19 4

REMARKS: 002, 122, and 182 - Jun. thru Sept. 1958, May and Jun. 1959.
First Raob plus SCR 658 - Mar. 23, 1953 and WBRT 57 - Nov. 30, 1959.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
North Platte, Neb. (WBAS)	24023	41° 08'N	100° 41'W	848	WB	- - -	- - -				

OFFUTT AFB, NEBRASKA OMAHA, NEBRASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												SS 4
1951	EQUIP. OBS.	SS 4		SS 4	SS 4	SS 4	SS 4	SS 4	SS 4	SS 4	SS 4	SS 4	SS 4
1952	EQUIP. OBS.	SS 4	SS 4	SS 4	SS 4	SS 4	SS 4	SS 4	SS 4	SS 4	SS 4	SS 4	SS 4
1953	EQUIP. OBS.	SS 4	SS 4	SS 4	SS 4	SS 4	SS 4	SS 4	SS 4	SS 4	SS 4	SS 4	SS 4
1954	EQUIP. OBS.	SS 4	SS 4	SS 4	SS 4	SS 4							
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: Rawlins only. Obs. ended - Jan 18, 1951, 152; began - Mar. 29, 1951, 152.

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Offutt AFB (Omaha, Neb.)	14949	41° 07'N	95° 54'W	318	AF	12-4-50	6- 6-52				
Offutt AFB (Omaha, Neb.)	14949	41° 07'N	95° 54'W	305	AF	6-7-52	5-16-56		Also see: Omaha, Neb. (WBAS)	- - -	- - -

OMAHA, NEBRASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1955	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	86 0	8 0	0 0	0 0	68 0	3 0	0 0	0 0	82 0	3 0	0 0	0 0	56 0	2 0	0 0	0 0
1947	RAOB RAWIN	56 0	0 0	0 0	0 0	66 0	4 0	0 0	0 0	40 15	0 0	0 0	0 0	29 8	0 0	0 0	0 0
1948	RAOB RAWIN	18 3	0 0	0 0	0 0	117 14	17 2	1 0	0 0	117 24	37 10	19 7	0 0	67 16	17 5	5 2	0 0
1949	RAOB RAWIN	73 8	52 6	26 3	0 0	99 17	32 10	18 6	0 0	135 24	12 2	0 0	0 0	138 27	13 6	0 0	0 0
1950	RAOB RAWIN	133 6	41 3	19 2	0 0	93 16	35 5	11 2	0 0	130 20	26 5	7 1	0 0	131 15	54 8	8 2	0 0
1951	RAOB RAWIN	133 4	69 2	19 0	0 0	145 11	80 7	40 7	1 0	150 15	114 10	75 4	1 0	74 10	47 5	25 2	0 0
1952	RAOB RAWIN	93 10	61 6	25 1	0 0	110 7	83 2	52 1	0 0	81 14	54 5	17 0	0 0	97 10	62 6	27 4	0 0
1953	RAOB RAWIN	117 8	69 4	33 1	0 0	132 5	91 2	46 1	0 0	137 9	111 8	61 4	1 0	158 2	134 1	59 0	0 0
1954	RAOB RAWIN	158 2	125 0	49 0	0 0	131 0	102 0	51 0	0 0	163 40	138 25	76 11	0 0	164 152	143 128	62 42	0 0
1955	RAOB RAWIN	171 154	120 96	37 23	0 0	152 146	132 127	99 84	0 0	155 149	127 126	107 97	3 1	150 141	125 116	89 83	3 1
1956	RAOB RAWIN	155 153	135 133	106 94	1 0	161 159	135 131	91 83	0 0	163 159	142 135	102 86	0 0	164 160	150 145	110 92	0 0
1957	RAOB RAWIN	157 126	123 99	80 58	2 2	166 166	150 149	122 119	0 0	170 170	148 147	130 126	22 8	176 175	166 164	141 136	28 12
1958	RAOB RAWIN	173 170	165 162	143 136	13 6	177 175	168 165	148 137	11 5	177 173	148 165	144 142	14 4	179 169	175 166	166 156	22 12
1959	RAOB RAWIN	171 168	164 160	137 134	19 6	174 171	163 162	149 146	42 31	162 157	148 143	125 121	13 10	159 153	101 98	74 72	29 25
1960	RAOB RAWIN	178 178	169 167	149 144	66 57	179 177	174 172	165 159	53 35	178 177	173 172	160 159	19 10	178 178	173 171	157 152	5 3

REMARKS: 002, 122, and 182 - May thru Sept. 1958, May 1959. First
GND1 - Sept. 16, 1954, GND1A - Feb. 2, 1959, and GND1 - Jun. 12, 1960.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Omaha, Neb. (WRAS)	14942	41° 18'N	95° 54'W	403	WB	- - -	9-16-54				
Omaha, Neb. (N. Omaha AP)	94918	41° 22'N	96° 01'W	403	WB	9-16-54	- - -	8 NNW	Also see: Offutt AFB (Omaha, Neb.)	12-4-50	5-16-54

SCOTTSBLUFF, NEBRASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.						G 4	G 4	G 4	G 4	G 3		
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.						G 3	G 3	G 3	G 3	G 2		
1959	EQUIP. OBS.												
1960	EQUIP. OBS.						G 3	G 2	G 2	G 2			

REMARKS: 00Z, 12Z, and 18Z - Oct. 1953, Jun. thru Sept. 1958, and Jun. 1960

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN					41 29	25 16	17 10	0 0	165 162	132 129	108 105	2 2	2 2	1 1	1 1	0 0
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN					52 39	46 36	38 33	27 23	179 164	173 165	157 150	36 31	30 25	27 24	20 17	12 10
1959	RAOB RAWIN																
1960	RAOB RAWIN					51 48	50 49	46 44	1 1	155 143	146 139	144 137	81 60				

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Scottsbluff, Neb.	24007	41° 52'N	103° 36'W	1204	AF	6-1-53	9-26-60				

SIDNEY, NEBRASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	OEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.				G 3	G 3	G 3	G 3	G 3	G 3			
1956	EQUIP. OBS.						G 3	G 3	G 3	G 3			
1957	EQUIP. OBS.					G 4	G 3	G 4	G 3	G 3			
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN					83 65	58 43	49 38	4 3	135 129	122 117	103 98	26 26				
1956	RAOB RAWIN									74 73	69 67	66 65	27 26				
1957	RAOB RAWIN					27 27	24 24	24 23	4 3	73 71	61 60	55 53	9 4				
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: 03Z, 15Z, and 21Z - May thru Sept. 1955. 09Z, 15Z, and 21Z - Jul. thru Sept. 1956. 06Z, 12Z, 15Z, and 18Z - Jun. 1957. 06Z, 12Z, and 18Z - Jul. and Sept. 1957. 06Z, 12Z, 18Z, and 20Z - Aug. 1957.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Sidney, Neb. (Sioux ORD Depot)	94007	41° 13'N	103° 06'W	1340	AF	5-15-55	9-15-57				

ELY, NEVADA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

REMARKS: First Raob plus SCR 658 - Oct. 29, 1953 and WBRT 57 - Jan. 18, 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	42 0	0 0	0 0	0 0	71 0	2 0	0 0	0 0	85 0	5 0	1 0	0 0	49 0	2 0	2 0	1 0
1947	RAOB RAWIN	18 0	1 0	0 0	0 0	44 0	0 0	0 0	0 0	65 2	7 0	0 0	0 0	37 9	7 0	0 0	0 0
1948	RAOB RAWIN	15 2	0 0	0 0	0 0	61 1	9 0	0 0	0 0	54 1	11 0	0 0	0 0	61 16	24 10	5 3	0 0
1949	RAOB RAWIN	55 1	15 0	2 0	0 0	98 20	39 6	8 2	0 0	124 51	65 31	24 13	0 0	72 21	23 8	12 4	0 0
1950	RAOB RAWIN	74 10	18 1	2 0	0 0	100 39	35 21	14 5	0 0	151 33	59 13	27 4	0 0	158 37	69 15	30 9	0 0
1951	RAOB RAWIN	151 17	76 6	31 4	0 0	147 35	97 26	61 19	1 0	167 60	134 40	91 29	1 0	145 26	108 16	76 12	2 0
1952	RAOB RAWIN	146 24	106 16	59 10	3 0	148 41	111 30	83 23	1 0	140 56	106 36	89 29	2 1	160 38	118 31	72 22	0 0
1953	RAOB RAWIN	160 27	97 19	31 6	0 0	171 37	131 27	40 11	0 0	168 41	143 35	77 10	1 0	157 36	129 29	69 18	0 0
1954	RAOB RAWIN	157 47	115 30	54 12	0 0	161 34	127 21	53 5	0 0	165 29	145 16	87 9	0 0	158 34	122 22	37 6	0 0
1955	RAOB RAWIN	149 16	89 7	21 1	0 0	197 71	162 59	49 10	1 0	168 72	149 59	69 18	0 0	142 33	120 30	77 17	0 0
1956	RAOB RAWIN	172 28	150 24	34 0	0 0	163 73	135 36	53 12	0 0	169 89	155 82	48 25	0 0	160 59	120 46	35 11	0 0
1957	RAOB RAWIN	149 25	106 16	28 3	0 0	127 56	91 40	31 13	0 0	178 76	171 66	131 49	2 0	173 43	146 27	94 10	0 0
1958	RAOB RAWIN	171 32	167 26	110 14	0 0	167 35	161 30	100 23	0 0	173 50	167 45	147 40	0 0	176 51	153 41	121 30	0 0
1959	RAOB RAWIN	176 18	173 13	167 13	1 0	179 54	177 49	169 45	65 13	178 58	176 45	162 8	29 8	176 28	167 21	150 19	9 0
1960	RAOB RAWIN	162 103	142 92	124 82	60 34	180 167	177 159	163 147	56 43	183 183	180 179	169 23	30 161	180 153	172 129	153 9	26 0

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS			
						FROM	TO		NAME	FROM	TO	
Ely, Nev.	23154	39° 17'N	114° 51'W	1913	WB	- - -	5-31-55					
Ely, Nev.	23154	39° 17'N	114° 51'W	1908	WB	6-1-55	- - -					

JACKASS FLATS, NEVADA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.				C 1	C 3	C 4	C 1	C 1				
1960	EQUIP. OBS.				C 1	C 1	C 2	C 1	C 1	C 1	C 1	C 1	C 1

QUARTERLY ALTITUDE FREQUENCY DATA.

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN					101 96	46 49	41 38	5 4	47 47	42 43	33 33	8 8				
1960	RAOB RAWIN					36 33	31 31	27 28	8 8	109 115	99 97	83 76	12 8	92 90	78 78	62 56	10 4

REMARKS: 12Z - Apr. 1959, Jul. and Aug. 1959, May and Jun. 1960,
Aug. thru Dec. 1960. 00Z, 12Z, and 18Z - May 1959. First GNDIA -
Apr. 29, 1959.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Jackass Flats, Nev.	03143	36° 48' N	116° 16' W	1100	WB	4-29-59	8 -- 59	2 E 16 SW	Mercury, Nev. (AEC Test Site)	8-11-51	11-5-55
Jackass Flats, Nev.	03143	36° 48' N	116° 16' W	1100	WB	5 -- 60	-- --	16 NE 16 SW	Yucca Flat, Nev.	9-16-56	4-28-59
									Yucca Flat, Nev.	8 -- 59	7-14-60

LAS VEGAS, NEVADA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 1	R 1	R 1	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	R 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1955	EQUIP. OBS.	G 2	G 3	G 3	G 3	G 3	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

REMARKS: 04Z, Jan. thru Mar. 1946. 03Z, 15Z, and 21Z - Feb. thru May 1955. First GNDI - Feb. 1, 1954.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	16	0	0	0	78	1	0	0	60	5	1	0	61	8	1	0
1947	RAOB RAWIN	33	0	0	0	54	0	0	0	64	4	0	0	72	4	0	0
1948	RAOB RAWIN	82	3	0	0	62	13	6	0	42	6	0	0	82	11	10	0
1949	RAOB RAWIN	95	26	17	0	140	76	53	0	108	59	34	0	113	60	33	0
1950	RAOB RAWIN	111	23	0	0	130	63	23	0	154	69	25	0	157	109	57	10
1951	RAOB RAWIN	158	128	83	17	172	131	77	12	170	121	72	8	166	126	94	6
1952	RAOB RAWIN	150	117	86	5	161	147	126	13	165	140	120	10	148	106	65	6
1953	RAOB RAWIN	83	45	19	0	165	122	68	0	160	140	94	1	163	137	105	2
1954	RAOB RAWIN	142	101	69	0	157	138	107	3	124	95	74	0	152	107	60	0
1955	RAOB RAWIN	138	85	22	0	193	162	97	0	162	134	101	4	141	122	87	3
1956	RAOB RAWIN	156	131	64	1	128	108	33	0	143	122	49	0	155	124	42	0
1957	RAOB RAWIN	136	111	51	1	155	137	80	0	172	149	101	2	172	161	98	2
1958	RAOB RAWIN	168	161	87	8	173	152	100	16	181	171	142	0	179	162	109	0
1959	RAOB RAWIN	169	157	133	11	173	153	126	3	175	163	146	3	178	158	145	53
1960	RAOB RAWIN	175	157	146	68	176	165	146	23	183	180	167	2	178	163	150	10
		173	159	143	46	172	159	139	13	180	176	163	1	174	160	141	2

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Las Vegas, Nev. (WLAS)	23169	36° 05'N	115° 10'W	660	WB	- - -	- - -		Also see: Nellis AFB, Nev.	1-14-46	2-1-54

MERCURY, NEVADA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.								S 4	S 4	S 4	S 4	S 2
1952	EQUIP. OBS.	S 2	S 2	S 3	S 4	C 4	G 4	C 2	G 2	G 2	G 2	G 2	G 2
1953	EQUIP. OBS.	C 2	C 2	C 4	C 4	C 4	C 4						
1954	EQUIP. OBS.												
1955	EQUIP. OBS.		C 4	C 4	C 4	C 4					C 3	G 2	
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN									8 5	4 2	1 1	0 0	17 6	10 1	7 0	0 0
1952	RAOB RAWIN	15 1	8 1	1 0	0 0	75 57	40 20	22 9	1 0	42 35	25 17	9 5	0 0	82 64	36 28	21 6	5 1
1953	RAOB RAWIN	107 65	63 45	39 23	6 1	53 36	27 5	24 1	5 0								
1954	RAOB RAWIN																
1955	RAOB RAWIN	87 82	54 52	45 40	1 1	61 57	43 41	32 31	0 0					12 12	11 11	8 8	0 0
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: Most observations during 1955 + 1 hour off scheduled times.
03Z, 15Z, and 21Z - Oct. 1955. First GNDI - Apr. 29, 1952 and GNDIA -
Feb. 1, 1955.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Mercury, Nev. (AEC Test Site)	03109	36° 56'N	116° 04'W	1259	AF	8-11-51	4-28-52				
AEC Test Site, Nev.	03109	36° 36'N	115° 58'W	1155	AF	4-29-52	12-4-52	25 SSE			
AEC Test Site, Nev.	03109	36° 57'N	116° 03'W	1197	AF	12-4-52	6 -5-53	24 NNW			
AEC Test Site, Nev.	03109	36° 57'N	116° 05'W	1196	AF	2 -1-55	11-5-55	2 W 2 E 16 SW 16 NE 16 SW	Yucca Flat, Nev. Jackass Flats, Nev. Yucca Flat, Nev. Jackass Flats, Nev.	9-16-56 4-29-59 8 -- 59 7-14-60 5 -- 60	4-28-59 -- 59 -- 59 -- 60

NELLIS AFB, NEVADA LAS VEGAS, NEVADA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	\$5 2											
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.								\$5 4	\$5 4			
1951	EQUIP. OBS.	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4
1952	EQUIP. OBS.	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4
1953	EQUIP. OBS.	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4	\$5 4
1954	EQUIP. OBS.	\$5 4											
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: Rawina only. Obs. ended - Jul. 3, 1951, 15Z; began Aug. 30, 1951, 09Z; ended Jun. 28, 1953, 15Z; began Jul. 27, 1953, 21Z.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
LVAAP (LC) Las Vegas, Nev.	23112	36° 15'N	115° 02'W	572	AF	1-14-46	1-31-46				
Nellis AFB, Nev.	23112	36° 15'N	115° 02'W	569	AF	8-29-50	9- 4-50				
Nellis AFB, Nev.	23112	36° 15'N	115° 02'W	569	AF	1-31-51	2- 1-54		Also see: Las Vegas, Nevada (WBAS)	- - -	- - -

RENO, NEVADA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.									G 4	G 4	G 4	
1954	EQUIP. OBS.												
1955	EQUIP. OBS.	G 3	G 3	G 4	G 3								
1956	EQUIP. OBS.												
1957	EQUIP. OBS.			G 3	G 3	G 3	G 3	G 3	G 3				
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 03Z, 15Z, and 21Z - Feb., Mar., and May 1955. Apr. and May 1957.
00Z, 12Z, and 18Z - Jun. thru Sept. 1957. First GND1 - Oct. 15, 1953 and
GND1A - Feb. 8, 1955.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN													69 55	44 34	39 28	11 10
1954	RAOB RAWIN																
1955	RAOB RAWIN	94 86	71 61	61 54	23 22	86 72	71 60	60 48	32 31								
1956	RAOB RAWIN																
1957	RAOB RAWIN					127 125	115 110	103 91	49 45	141 141	127 127	109 109	24 24				
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Reno, Nev. (Stead AFB)	23118	39° 40'N	119° 52'W	1555	AF	10-15-53	11-27-53				
Reno, Nev. (Stead AFB)	23118	39° 40'N	119° 52'W	1530	AF	11-28-53	2- 7-55				
Reno, Nev. (Stead AFB)	23118	39° 40'N	119° 52'W	1545	AF	2- 8-55	9-23-57				

TONOPAH, NEVADA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.										G 4	G 4	
1952	EQUIP. OBS.			G 4	G 4	G 4	G 4						
1953	EQUIP. OBS.			G 4	G 4	G 4	G 4						
1954	EQUIP. OBS.												
1955	EQUIP. OBS.		G 4	G 4	G 4	G 4							
1956	EQUIP. OBS.									G 1	G 1	G 1	G 1
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.		G 4	G 2	G 2	G 2				G 4	G 4		
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: All observations in 1955 were ± 2 hours off scheduled release time. 152 - Sept. thru Dec. 1956. First GMD1 - Oct. 8, 1951 and GMD1A - Feb. 1, 1955.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN													87 86	58 48	38 4	4 1
1952	RAOB RAWIN	3 3	1 1	0 0	0 0	29 28	7 5	2 0	0 0								
1953	RAOB RAWIN	34 32	21 15	7 4	0 0	100 98	71 66	34 31	3 3								
1954	RAOB RAWIN																
1955	RAOB RAWIN	92 84	60 57	38 34	7 6	52 48	41 35	37 31	7 3								
1956	RAOB RAWIN													19 19	17 17	6 6	0 0
1957	RAOB RAWIN	104 85	71 56	40 31	0 0	204 217	153 161	69 61	0 0	321 323	172 177	92 94	2 1	60 58	49 49	35 30	0 0
1958	RAOB RAWIN	45 46	39 40	16 13	0 1	15 14	15 14	3 0	0 0	48 59	32 33	18 15	0 0	97 136	40 41	26 23	0 0
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Tonopah, Nev. (AAF)	23128	38° 04'N	117° 05'W	1652	AF	10-8-51	5-15-55				
Tonopah, Nev.	03132	38° 04'N	117° 06'W	1650	WB	9-20-56	10-31-56	1 W			

WINNEMUCCA, NEVADA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.				G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN					89 82	78 72	52 43	0	149 146	125 125	87 84	5 2	144 135	121 116	63 53	0 0
1957	RAOB RAWIN	116 93	88 74	40 25	0	158 147	140 136	77 71	0	164 158	142 138	115 111	16 6	173 139	164 134	133 97	22 10
1958	RAOB RAWIN	172 147	152 130	112 87	27 10	166 155	151 138	105 94	4 3	178 172	169 165	143 139	0	169 149	148 135	116 101	0 0
1959	RAOB RAWIN	164 144	146 129	125 101	0	172 159	156 147	138 124	5 4	180 174	170 164	152 143	12 9	180 171	179 171	169 158	85 57
1960	RAOB RAWIN	153 115	133 104	116 92	68 44	176 162	163 152	151 141	61 51	184 179	182 175	169 162	57 52	183 168	174 160	155 141	28 14

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Winnemucca, Nev. (WBAS)	24128	40° 54'N	117° 48'W	1310	WB	5-1-56	- - -				

YUCCA FLAT, NEVADA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.									G 1	G 1	G 2	G 3
1957	EQUIP. OBS.	G 2	G 1	G 1	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1958	EQUIP. OBS.	G 1	G 4	G 4	G 4	G 4	G 4	G 2	G 2	G 4	G 4	G 1	G 2
1959	EQUIP. OBS.	G 1	G 1	G 1	G 1			G 1	G 3	G 4	G 2	G 2	
1960	EQUIP. OBS.	G 2	G 2	G 2	G 1			G 1					

REMARKS: 152 - Sept. and Oct. 1956. 152 and 212 - Nov. 1956. Jan. thru Mar. 1957. 152, 182, and 212 - Dec. 1956. 122 - Jan. and Nov. 1958. Jan. thru Apr. and Aug. 1959. May and Jul. 1960. 06Z and 12Z - Jul. and Aug. 1958. 12Z and 18Z - Dec. 1958. 12Z, 16Z, and 21Z - Sept. 1959. 00Z, 12Z, 17Z, and 22Z - Oct. 1959. The USAF also took obs. Apr. 13, 1957 thru Oct. 7, 1957 and are included in the table.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN									13 11	13 11	10 9	0 0	60 71	45 54	23 21	0 0
1957	RAOB RAWIN	84 58	44 33	24 22	1 0	0 8	0 8	0 3	0 0	159 157	65 63	60 54	48 45	88 86	67 67	33 23	0 0
1958	RAOB RAWIN	128 121	112 108	45 31	0 0	123 128	110 113	61 57	0 0	124 136	105 107	78 72	0 0	143 148	96 95	80 76	0 0
1959	RAOB RAWIN	50 33	0 0	0 0	0 27	0 26	0 0	0 0	0 0	85 74	38 37	32 29	2 1	206 199	151 151	140 140	25 11
1960	RAOB RAWIN	214 192	154 155	138 133	46 31	76 73	70 67	62 56	34 27	3 0	2 0	2 0	0 0				

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Yucca Flat, Nev.	03133	36° 57'N	116° 03'W	1196	WB	9-16-56	4-28-60	2 E	Mercury, Nev. (AEC Test Site)	8-11-51	11-5-55
Yucca Flat, Nev.	03133	36° 57'N	116° 03'W	1196	WB	8 -- 59	7-14-60	16 SW 16 NE 16 SW	Jackass Flats, Nev.	4-29-59	8 -- 59
									Jackass Flats, Nev.	5 -- 60	-- --

LAKEHURST, NEW JERSEY

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 1	R 1	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1955	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2						
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	7	0	0	0	6	2	1	1	16	0	0	0	6	0	0	0
1947	RAOB RAWIN	5	0	0	0	10	0	0	0	3	0	0	0	1	0	0	0
1948	RAOB RAWIN	6	0	0	0	5	0	0	0	10	0	0	0	0	0	0	0
1949	RAOB RAWIN													2	0	0	0
1950	RAOB RAWIN	17	3	3	0	69	27	10	0	91	47	32	2	21	12	9	0
1951	RAOB RAWIN	23	9	4	0	34	15	6	0	92	55	16	0	71	37	19	0
1952	RAOB RAWIN	71	30	20	0	78	39	18	0	34	23	13	0	37	25	13	1
1953	RAOB RAWIN	24	13	7	0	53	27	17	0	73	45	30	0	66	39	16	0
1954	RAOB RAWIN	33	21	11	0	24	15	4	0	40	22	7	0	14	3	1	0
1955	RAOB RAWIN	16	2	1	0	33	13	6	0	3	2	0	0				
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: Pibals only. 152 - Mar. and Apr. 1946 and Jul. 1952.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Lakehurst, N. J. (NAS)	14780	40° 02'N	74° 19'W	40	N	- - -	7-13-55				

ALAMOGORDO, NEW MEXICO

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.			S	S	S	S	S	S	S	S	S	S
1949	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1950	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1951	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1952	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	G	G	G
1953	EQUIP. OBS.	G	R	S	S	S	G	G	G	G	G	G	G
1954	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1955	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1956	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1957	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1958	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1959	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1960	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G

REMARKS: 032 and 212 - Mar. thru May and Jul. thru Oct. 1949. Jun. thru Sept. 1950. 032 - Nov. 1949 thru May 1950. 032, 122, 152, and 212 - Oct. 1952. 092, 152, and 212 - Nov. 1952 thru Feb. 1953. 032, 122, and 212 - Mar. thru May 1953. 122, 152, and 212 - Jun. 1953. Times of obs. are varied for Jul. 1953 thru Dec. 1959, except 182 and 212 - Jan. 1956. Printed computer data RA0BS have been taken May thru Dec. 1960. Estimated one obs. per day at irregular hours - May thru Dec. 1960. From Jul. 5 thru Oct. 31, 1952 both SCR 658 and QMDIA were used; however the SCR 658 was used the majority of the time. First QMDIA - Jul. 2, 1952.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN	6	1	1	1	47	36	23	5	59	41	28	7	13	6	5	1
1949	RAOB RAWIN	2	0	0	0	9	7	2	0	3	0	0	0	7	0	0	0
1950	RAOB RAWIN	10	0	0	0	18	3	1	0	6	0	0	0	6	3	2	0
1951	RAOB RAWIN	42	20	11	1	28	17	10	1	7	1	1	0	24	12	7	0
1952	RAOB RAWIN	66	55	29	0	73	58	32	0	55	34	25	3	33	19	15	0
1953	RAOB RAWIN	18	9	6	0	5	3	2	0	45	24	15	0	30	26	23	5
1954	RAOB RAWIN	39	36	32	20	12	11	11	3	35	31	27	0	27	26	26	5
1955	RAOB RAWIN	40	36	30	2	37	37	32	2	38	30	25	3	41	38	36	3
1956	RAOB RAWIN	54	52	47	10	52	51	49	14	57	57	55	25	52	52	49	13
1957	RAOB RAWIN	44	44	40	6	55	55	51	10	48	45	38	16	25	19	17	8
1958	RAOB RAWIN	29	27	24	5	44	42	40	25	45	43	42	11	33	32	30	8
1959	RAOB RAWIN	15	15	15	6	11	11	11	6	4	4	4	3				
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Alamogordo, N. M. (Holloman AFB)	23002	32° 51' N	106° 05' W	1246	AF	3-1-48	- - -		Also see: Frye Site, N. M. Jallen Site, N. M. Las Cruces, N. M. Orogrande, N. M. Stallion Site, N. M.		

ALBUQUERQUE, NEW MEXICO

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	R 2	S 2	S 2	S 2	S 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2

REMARKS: First WBRT 57 - May 30, 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	53 5	3 0	0 0	0 0	24 9	0 0	0 0	0 0	22 1	1 0	0 0	0 0	9 0	0 0	0 0	0
1947	RAOB RAWIN	0	0	0	0	5 2	0 0	0 0	0 0	7 6	1 0	0 0	0 0	34 16	14 8	1 0	0
1948	RAOB RAWIN	1	0	0	0	118 45	43 9	10 1	0 37	29 4	4 1	1 0	0 0	27 6	7 3	1 0	0
1949	RAOB RAWIN	59 20	14 7	6 2	0 0	60 40	11 10	3 1	0 27	41 0	0 0	0 0	0 0	84 55	42 28	2 1	0
1950	RAOB RAWIN	89 36	8 2	0 0	0 0	101 63	15 5	1 0	0 94	120 26	37 5	11 0	0 69	141 29	66 8	22 0	0
1951	RAOB RAWIN	147 60	87 40	25 17	0 0	144 53	86 32	41 14	0 0	161 129	109 88	61 42	0 0	153 47	111 32	65 12	0
1952	RAOB RAWIN	142 37	102 22	53 11	1 1	167 96	145 63	104 42	2 0	158 112	135 87	79 46	0 0	159 70	117 41	56 19	0
1953	RAOB RAWIN	170 42	123 26	59 12	1 0	173 54	136 33	70 15	0 0	173 139	143 93	64 37	0 0	168 88	135 62	64 29	0
1954	RAOB RAWIN	167 44	125 31	60 14	0 0	171 75	140 46	67 15	0 0	165 118	141 92	68 35	1 1	168 91	103 52	20 2	0
1955	RAOB RAWIN	166 40	97 21	23 5	0 0	155 35	131 26	50 7	0 0	156 112	143 97	70 41	0 0	130 40	102 29	49 9	0
1956	RAOB RAWIN	157 28	127 21	63 6	0 0	167 84	148 69	49 26	0 0	168 153	147 134	54 44	0 0	172 93	137 71	40 12	0
1957	RAOB RAWIN	155 35	100 23	15 0	0 0	158 70	131 56	38 12	0 0	140 128	119 107	88 77	27 5	128 32	93 22	75 19	4
1958	RAOB RAWIN	168 46	136 28	111 17	6 0	172 85	169 75	131 48	36 13	188 146	181 141	174 133	9 6	177 67	165 65	148 55	5
1959	RAOB RAWIN	164 37	151 31	138 25	22 3	182 83	169 77	160 73	20 2	171 145	165 135	157 129	33 20	127 41	82 22	71 20	16
1960	RAOB RAWIN	157 37	138 24	116 22	3 0	167 89	161 84	135 68	12 4	181 187	176 183	161 161	15 8	178 173	172 170	146 134	2

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Albuquerque, N. M.	23050	35° 03'N	106° 37'W	1620	WB	- - -	- - -				

CLOVIS, NEW MEXICO

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2						
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	96	6	0	0	96	6	0	0								
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WEAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Clovis, N. M.	23077	34° 23'N	103° 19'W	1311	WB	- - -	6-30-46				

FRYE SITE, NEW MEXICO

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.			G 1E	G 1E	G 1E	G 1E	G 1E	G 1E	G 1E	G 1E	G 1E	G 1E

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: Printed computer data ranbe have been taken Mar. thru Dec.
1960. Estimated one observation per day at irregular hours - Mar. thru
Dec. 1960

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Frye Site, N. M.	93062	32° 30'N	106° 25'W	1270	AP	3-1-60	- - -		Also see: Alamogordo, N. M. Jallen Site, N. M. Las Cruces, N. M. Orogrande, N. M. Stallion Site, N. M.		

JALLEN SITE, NEW MEXICO

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.											8 3	R 1
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 3	G 2	G 4	G 4	G 2	G 4	G 4	G 2	G 4	G 3	G 2	G 2
1959	EQUIP. OBS.	G 4	G 3	G 3	G 2	G 3	G 2	G 2	G 3	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 18	G 1E	G 1E	G 18	G 18	G 1E	G 1E	G 1E	G 1E	G 1E	G 1E

REMARKS: Times of obs. are varied - Nov. and Dec. 1955. 15Z, 18Z, and 21Z - May 1957. 03Z, 15Z, 18Z, and 21Z - Aug. 1957. 00Z, 18Z, and 21Z - Jan. and Oct. 1958, Feb. and Aug. 1959. 00Z, 15Z, and 18Z - Mar. 1959. Printed computer data reobs taken Feb. thru Dec. 1960. Estimated one observation per day at irregular hours - Feb. thru Dec. 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN													10 10	7 7	5 5	1 1
1956	RAOB RAWIN	30 24	29 22	25 19	1 1	12 9	12 9	11 8	3 3	19 18	19 18	15 13	1 1	18 15	18 15	14 12	2 1
1957	RAOB RAWIN	25 21	25 21	24 21	8 6	28 28	27 25	25 25	10 6	17 17	16 16	13 13	7 7	10 10	10 10	9 9	1 0
1958	RAOB RAWIN	20 20	20 20	18 17	5 1	16 16	15 15	14 14	9 7	18 18	18 18	17 17	2 0	31 31	31 31	27 27	9 6
1959	RAOB RAWIN	38 37	34 34	28 28	16 12	49 49	48 48	47 46	19 10	36 35	35 35	33 32	9 5	48 46	45 43	43 42	12 9
1960	RAOB RAWIN	14 14	14 14	14 13	0 0												

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Jallen Site, N. M. (Holloman ARDC)	93060	33° 11' N	106° 29' W	1236	AF	11-1-55	- - -		Also see: Alamogordo, N. M. Frye Site, N. M. Las Cruces, N. M. Orogrande, N. M. Stallion Site, N. M.		

LAS CRUCES, NEW MEXICO

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.											S 2	S 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1949	EQUIP. OBS.	S 5	S 5	S 5	S 5	S 5	S 5	S 5	S 5	S 5	S 5	S 5	S 5
1950	EQUIP. OBS.	S 5	S 5	S 5	S 5	S 5	S 5	S 5	S 5	S 5	S 5	S 5	S 5
1951	EQUIP. OBS.	S 5	S 5	S 5	S 5	S 5	S 5	S 5	S 5	S 5	S 5	S 5	S 5
1952	EQUIP. OBS.	S 5	S 5	S 5	S 5	S 5	S 5	S 5	S 5	S 5	S 5	S 5	S 5
1953	EQUIP. OBS.	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1
1954	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1955	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1959	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN													2 1	2 0	0 0	0 0
1947	RAOB RAWIN	6 2	0 0	0 0	0 0	2 0	0 0	0 0	0 0	13 7	7 7	0 1	21 16	5 5	4 4	0 0	0 0
1948	RAOB RAWIN	17 9	6 0	5 0	4 0	38 15	22 9	17 1	7 51	55 27	34 22	29 6	8 15	20 7	10 5	6 7	0 0
1949	RAOB RAWIN	31 8	2 1	0 0	0 0	58 41	33 19	32 16	11 46	57 37	45 20	28 4	7 32	50 11	27 2	14 0	0 0
1950	RAOB RAWIN	42 13	27 6	16 4	0 36	31 18	22 12	4 1	75 67	59 54	43 37	14 4	66 48	43 27	30 17	7 5	0 0
1951	RAOB RAWIN	63 31	37 14	20 6	5 17	66 41	29 11	6 3	67 37	46 20	30 9	5 0	58 12	43 4	35 2	10 0	0 0
1952	RAOB RAWIN	33 7	15 2	13 2	1 12	29 7	17 4	12 2	0 13	37 6	31 23	3 0	8 1	7 0	6 0	0 0	0 0
1953	RAOB RAWIN	18 1	9 0	6 0	1 10	23 7	11 4	5 26	2 9	31 16	21 9	15 1	21 11	11 4	4 0	0 0	0 0
1954	RAOB RAWIN	16 5	2 0	1 0	0 6	5 4	4 0	0 32	0 28	28 22	22 3	3 24	22 15	12 10	2 2	0 0	0 0
1955	RAOB RAWIN	21 20	18 16	16 15	1 19	16 11	19 11	1 25	17 17	15 15	0 0	27 26	25 23	25 9	11 9	0 0	0 0
1956	RAOB RAWIN	45 41	45 42	42 40	25 23	39 36	38 34	9 8	52 50	51 44	44 6	7 45	45 41	44 37	39 7	5 5	0 0
1957	RAOB RAWIN	60 60	60 58	58 57	15 9	63 55	49 47	6 28	26 24	26 24	1 1	20 19	15 15	1 1	1 1	0 0	0 0
1958	RAOB RAWIN	23 22	19 16	17 1	2 25	27 21	19 16	7 5	38 37	36 31	14 10	51 50	49 48	48 25	28 17	0 0	0 0
1959	RAOB RAWIN	34 32	30 28	28 16	5 5	4 4	0 28	26 26	25 24	8 8	33 33	31 30	30 30	17 17	0 0	0 0	0 0
1960	RAOB RAWIN	15 14	14 13	13 4	3 3												

REMARKS: 152 and 222 - Nov. and Dec. 1946. 162 and 222 - Jan. thru Apr. 1947. 042 and 102 - Sept. 1947. 042, 102, 162, and 212 - Oct. 1947. 042, 162, and 202 - Nov. 1947. 042, 072, 162, and 202 - Dec. 1947. 092 and 152 Jan. thru Nov. 1949. Feb. 1950 thru Oct. 1952. Mar. thru May 1953. 152 - Dec. 1949 and Jan. 1950. 092 - Nov. 1952 thru Feb. 1953. 122 - Jun. thru Dec. 1953. Times of obs. are varied - Jan. 1954 thru Dec. 1960. First Raob plus SCR 658 - Nov. 7, 1946. Raob plus SCR 594 - May 18, 1948. GMDI - Jan. 6, 1953, and GMDIA - Oct. 17, 1953. Printed computer data raobs taken Feb. thru Dec. 1960. Estimated one ob. per day at irregular hours - Feb. thru Dec. 1960.

STATION LOCATION

STATION NAME	STA. NO. (WBA)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Las Cruces, N. M. (White Sands F. G.)	23039	32° 22'N	106° 28'W	1381	AF	11-7-46	- - -				
Las Cruces, N. M. (White Sands F. G.)	23039	32° 24'N	106° 24'W	1211	AF	5-16-47	10-21-47	5 ENE			
Las Cruces, N. M. (White Sands F. G.)	23039	32° 24'N	106° 21'W	1216	AF	10-23-47	- - -	3 E	Also see: Alamogordo, N. M. Frye Site, N. M. Jallen Site, N. M. Orogrande, N. M. Stallion Site, N. M.		

OROGRANDE, NEW MEXICO

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.					S 28	S 2	S 2	S 2	S 2	S 2	S 2	S 1
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 1	S 1	S 1	S 1	S 1	S 1	S 2	S 2
1948	EQUIP. OBS.	S 2	S 1	S 1	S 1								
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 15Z - May 1946 thru Jan. 1948, times of obs. varied for second runs. 17Z - Feb. thru Apr. 1948.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN					1 1	0 0	0 0	0 0	25 24	0 0	0 0	0 0	4 2	0 0	0 0	0 0
1947	RAOB RAWIN	10 6	0 0	0 0	0 0	8 8	0 0	0 0	0 0	5 5	0 0	0 0	0 0	3 3	0 0	0 0	0 0
1948	RAOB RAWIN	1 0	0 0	0 0	0 0	1 1	0 0	0 0	0 0								
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Orogrande, N. M.	23037	32° 24' N	106° 09' W	1260	AF	5-23-46	4-30-48		Also see: Alamogordo, N. M. Free Site, N. M. Jellen Site, N. M. Lae Cruces, N. M. Stallion Site, N. M.		

STALLION SITE, NEW MEXICO

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.	R 1	G 1	G 2	G 2	G 1	G 1	G 1	G 1	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 1	G 1	G 2	G 1	G 1	G 1	G 3	G 2	G 1	G 1
1958	EQUIP. OBS.	G 2	G 3	G 2	G 2	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 2
1959	EQUIP. OBS.	G 2	G 3	G 3	G 4	G 3	G 2	G 2	G 3	G 1	G 1	G 1	G 1
1960	EQUIP. OBS.	G 2	G 1E	G 1E	G 1E	G 1E	G 1E	G 1E	G 1E	G 1E	G 1E	G 1E	G 1E

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN	7	6	4	0	12	11	10	1	5	5	5	0	14	14	14	13
1957	RAOB RAWIN	10	10	10	5	17	17	16	2	9	8	7	1	7	7	7	2
1958	RAOB RAWIN	12	11	10	2	15	15	13	6	7	7	7	4	8	8	8	7
1959	RAOB RAWIN	11	11	10	2	15	15	13	6	7	7	7	4	8	8	8	7
1960	RAOB RAWIN	2	2	2	1	4	4	4	1	19	19	19	12	28	28	28	10
		1	2	2	1	4	4	4	1	19	18	18	9	28	28	28	10
1980	RAOB RAWIN	36	35	35	14	35	34	23	6	138	131	121	43				
		34	34	35	11	34	33	21	4	136	128	115	29				

REMARKS: Times of obs. are varied - Jan. 1956 thru Dec. 1958, Feb., Apr., and Jul. thru Dec. 1959. 122, 182, and 212 - Mar. and Jun. 1959. Printed computer data raobs taken Mar. thru Dec. 1960. Estimated one observation per day at irregular hours - Feb. thru Dec. 1960.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Stallion Site, N. M.	93061	33° 48'N	106° 40'W	1506	AF	1-19-56	- - -		Also see: Alamogordo, N. M. Frye Site, N. M. Jallen Site, N. M. Las Cruces, N. M. Orogrande, N. M.		

ALBANY, NEW YORK

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1
1950	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1
1951	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1957	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

REMARKS: 04Z and 16Z - Jan. 1946 thru Mar. 1948. 03Z - Sept. 1948 thru Nov. 1951. First GMD1A - Oct. 19, 1955.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	57	3	0	0	89	0	0	0	93	0	0	0	54	1	0	0
1947	RAOB RAWIN	54	1	0	0	61	1	0	0	67	0	0	0	14	0	0	0
1948	RAOB RAWIN	12	0	0	0	47	12	0	0	102	51	12	0	53	4	0	0
1949	RAOB RAWIN	32	0	0	0	38	1	0	0	53	2	0	0	28	0	0	0
1950	RAOB RAWIN	30	0	0	0	41	0	0	0	39	0	0	0	39	1	0	0
1951	RAOB RAWIN	47	12	0	0	77	39	1	0	71	21	2	0	51	11	2	0
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN													126	84	48	0
														101	77	38	0
1956	RAOB RAWIN	139	107	63	0	151	125	82	0	159	143	107	0	173	156	130	1
		105	74	45	0	142	113	72	0	155	138	95	0	157	143	112	1
1957	RAOB RAWIN	166	140	95	0	160	142	88	0	154	118	69	0	136	94	66	0
		124	107	67	0	153	132	75	0	150	115	61	0	112	76	52	0
1958	RAOB RAWIN	161	137	103	0	171	157	127	0	180	172	153	1	181	169	156	11
		156	132	94	0	169	157	119	0	169	166	147	1	143	147	144	4
1959	RAOB RAWIN	173	162	139	21	169	155	137	14	175	161	148	16	157	139	122	72
		128	135	117	10	157	148	129	10	171	159	144	12	125	113	100	43
1960	RAOB RAWIN	173	161	149	90	176	168	160	57	181	172	158	20	172	168	148	18
		141	137	132	76	169	163	159	43	178	170	154	5	149	152	136	7

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Albany, N. Y.	14735	42° 45'N	73° 48'W	94	WB	- - -	11-30-51	88 WNW	Roma, N. Y. (Griffins APB)	12-1-51	10-11-55
Albany, N. Y.	14735	42° 45'N	73° 48'W	86	WB	10-19-55	- - -	88 ESE			

BUFFALO, NEW YORK

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	R 2	R 2	R 2									
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.							G 2	G 2	G 2	G 2	G 2	G 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	46	2	0	0	77	0	0	0	85	3	0	0	28	2	0	0
1947	RAOB RAWIN	39	2	0	0	44	3	0	0	87	4	0	0	10	0	0	0
1948	RAOB RAWIN	10	1	0	0	19	4	0	0	19	0	0	0	3	1	0	0
1949	RAOB RAWIN	21	0	0	0	48	3	0	0	51	2	0	0	83	4	0	0
1950	RAOB RAWIN	74	12	4	0	69	25	5	0	102	34	9	0	76	44	14	0
1951	RAOB RAWIN	34	13	6	0	105	64	32	1	126	57	29	0	69	29	17	0
1952	RAOB RAWIN	69	47	29	1	138	115	66	0	143	125	67	0	111	73	34	0
1953	RAOB RAWIN	126	85	44	0	136	108	73	0	151	137	97	2	133	109	39	6
1954	RAOB RAWIN	100	69	10	0												
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN									68 62	58 51	48 40	4 0	147 134	105 91	74 64	6 1

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Buffalo, N. Y.	14733	42° 56'N	78° 44'W	220	WB	- - -	3-15-54	16 NW	Niagara Falls, N. Y. (AP)	3-15-54	8-20-60
Buffalo, N. Y.	14733	42° 56'N	78° 44'W	218	WB	8-20-60	- - -	16 SE			

NEWBURGH, NEW YORK

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.					8	8	8	8	8	8	8	8
1948	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1949	EQUIP. OBS.	4	4	4	4	4	4	4	4	4	4	4	4
1950	EQUIP. OBS.	8	8	8	8	8	8	8	8	8	8	8	8
1951	EQUIP. OBS.	4	4	4	4	4	4	4	4	4	4	4	4
1952	EQUIP. OBS.	4	4	4									
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 042 and 162 - Nov. 1947 thru Mar. 1948. 032, 092, and 152 - Feb. thru May 1950.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN									1	0	0	0	2	0	0	0
1948	RAOB RAWIN					17	0	0	0	24	2	0	0	10	0	0	0
1949	RAOB RAWIN	27	12	9	3	28	6	2	1	40	18	8	0	43	18	13	8
1950	RAOB RAWIN	66	56	46	26	84	56	48	14	57	34	30	13	51	36	28	9
1951	RAOB RAWIN	44	33	26	10	80	61	51	14	79	59	50	14	57	42	35	5
1952	RAOB RAWIN	45	26	20	4	13	11	2	21	9	4	1	9	5	4	0	0
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Newburgh, N. Y. (Stewart AFB)	14714	41° 30'N	74° 06'W	141	AF	5-16-47	3-17-50				
Newburgh, N. Y. (Stewart AFB)	14714	41° 30'N	74° 06'W	138	AF	3-18-50	3-8-52				

NEW YORK, NEW YORK NEW YORK INTERNATIONAL AP

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.		S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5
1951	EQUIP. OBS.	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5
1952	EQUIP. OBS.	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5
1953	EQUIP. OBS.	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5
1954	EQUIP. OBS.	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5
1955	EQUIP. OBS.	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5
1956	EQUIP. OBS.	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5
1957	EQUIP. OBS.	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5
1958	EQUIP. OBS.	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5
1959	EQUIP. OBS.	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5
1960	EQUIP. OBS.	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN	3	1	1	0	58	46	31	2	110	87	58	1	73	53	34	5
1953	RAOB RAWIN	86	61	37	3	89	55	42	0	143	114	83	2	125	70	54	0
1954	RAOB RAWIN	134	85	67	14	160	128	113	32	172	156	142	17	170	136	109	9
1955	RAOB RAWIN	159	132	107	9	173	141	116	17	166	142	122	9	168	129	94	4
1956	RAOB RAWIN	160	118	70	2	154	132	107	8	179	157	129	3	280	209	117	3
1957	RAOB RAWIN	298	226	89	1	302	243	72	0	337	283	136	0	152	130	56	0
1958	RAOB RAWIN	264	212	55	0	301	244	63	0	338	284	136	0	272	237	47	0
1959	RAOB RAWIN	175	157	48	0	176	164	83	0	184	173	130	3	183	174	153	14
1960	RAOB RAWIN	329	276	28	0	330	294	106	0	339	317	204	2	322	297	241	1
1959	RAOB RAWIN	176	157	127	6	176	170	147	14	180	176	163	63	164	149	144	86
1960	RAOB RAWIN	286	246	178	0	335	318	233	7	354	341	299	81	316	281	259	100
1960	RAOB RAWIN	173	158	169	89	177	168	162	63	169	162	154	42	181	172	161	8
1960	RAOB RAWIN	311	287	253	87	339	309	279	92	328	309	284	59	337	306	255	3

REMARKS: First Raob plus SCR 584 - Feb. 9, 1950, Raob plus SCR 658 - Mar. 22, 1952, GMDIA - Feb. 11, 1953.

STATION LOCATION

STATION NAME	STA. NO. (WDA)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Hempstead, N. Y. (Mitchell Fld.)	14708	40° 44'N	73° 36'W	23	AF	2-9-50	9-18-56				
New York City, N. Y. (Idlewild Int'l AP)	94789	40° 40'N	73° 47'W	5	WB	9-18-56	- - -	12 SW			

NIAGARA FALLS, NEW YORK

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.			G 2	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1955	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1956	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1957	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN	14 13	5 5	1 1	1 0	113 103	57 52	40 36	1 0	107 94	59 54	36 31	0 0	97 70	59 45	41 28	0 0
1955	RAOB RAWIN	84 38	54 16	35 7	0 0	129 107	72 58	40 33	0 0	126 115	97 85	66 58	0 0	140 75	102 50	74 39	3 0
1956	RAOB RAWIN	167 85	131 70	90 48	1 0	152 105	125 94	97 68	4 1	174 150	144 131	113 101	0 0	147 104	111 86	89 69	3 0
1957	RAOB RAWIN	151 111	101 79	59 44	0 0	156 152	121 115	69 64	1 0	158 144	133 127	114 110	42 28	132 99	91 79	67 62	25 19
1958	RAOB RAWIN	159 152	132 127	110 104	12 4	176 149	149 137	126 119	15 7	176 164	163 156	149 145	29 18	178 125	161 128	139 117	10 4
1959	RAOB RAWIN	168 113	148 111	115 93	6 3	151 137	121 113	93 86	8 2	167 165	156 154	137 137	44 28	149 101	124 93	99 79	43 28
1960	RAOB RAWIN	158 119	127 104	111 84	62 41	161 148	150 139	131 119	58 47	95 84	79 67	54 36	2 0				

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Niagara Falls, N. Y. (AP)	04738	43° 07'N	78° 55'W	182	WB	3-15-54	8-20-60	16 NW 16 SE	Buffalo, N. Y.	- - -	3-15-54
									Buffalo, N. Y.	8-20-60	- - -

ROME, NEW YORK

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.					S 2	S 2	S 20	S 2	S 1	S 1	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S M	S M	S 4	S 4	S 4	S 4	S 4	S 4
1949	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 3	S 3	S 3	S 3	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1951	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1952	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1953	EQUIP. OBS.	C 4	C 4	C 4	C 4	C 4	C 4	C 4	C 4	C 4	C 4	C 4	C 4
1954	EQUIP. OBS.	C 4	C 4	C 4	C 4	C 4	C 4	C 4	C 4	C 4	C 4	C 4	C 4
1955	EQUIP. OBS.	C 4	C 4	C 4	C 4	C 4	C 4	C 4	C 4	C 4	C 4	C 4	C 4
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN					3	0	0	0	2	0	0	0	0	0	0	0
1948	RAOB RAWIN	0	0	0	0	1	0	0	0	12	0	0	0	6	0	0	0
1949	RAOB RAWIN	15	0	0	0	33	10	8	2	18	10	3	1	17	3	1	0
1950	RAOB RAWIN	41	31	18	7	58	41	36	13	91	62	54	23	69	60	48	14
1951	RAOB RAWIN	92	60	43	11	90	60	51	12	118	68	51	8	63	53	39	1
1952	RAOB RAWIN	71	61	46	5	96	62	39	0	55	44	34	1	34	20	7	0
1953	RAOB RAWIN	58	23	7	0	84	54	34	6	164	126	94	1	125	91	72	3
1954	RAOB RAWIN	93	66	48	2	116	82	66	8	151	124	86	3	143	100	56	0
1955	RAOB RAWIN	144	79	40	1	178	157	127	9	176	156	131	9	15	12	9	0
1956	RAOB RAWIN	102	55	28	1	178	157	127	6	174	155	131	9	14	12	9	0
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: First GMDI - Aug. 8, 1952 and GMDIA - Jul. 1, 1953.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Rome, N. Y. (Griffiss AFB)	14717	43° 14'N	75° 25'W	146	AP	5-12-47	3-12-53	88 WNW	Albany, N. Y.	- - -	5-11-47
Rome, N. Y. (Griffiss AFB)	14717	43° 14'N	75° 25'W	152	AP	3-13-53	10-11-55	88 ESE	Albany, N. Y.	10-19-55	- - -

CAPE HATTERAS, NORTH CAROLINA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 1	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

REMARKS: First QMO - Sept. 16, 1956.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	15	0	0	0	28	0	0	0	38	0	0	0	31	0	0	0
1947	RAOB RAWIN	33	0	0	0	27	0	0	0	40	2	0	0	12	1	0	0
1948	RAOB RAWIN	14	0	0	0	26	6	1	0	121	60	17	0	70	42	15	0
1949	RAOB RAWIN	10	0	0	0	96	47	9	0	72	23	2	0	75	25	6	0
1950	RAOB RAWIN	57	0	0	0	91	4	0	0	98	21	3	0	138	48	18	0
1951	RAOB RAWIN	147	71	41	2	139	101	35	0	145	83	47	1	131	65	35	2
1952	RAOB RAWIN	88	68	42	4	141	108	74	1	147	121	80	3	118	90	35	0
1953	RAOB RAWIN	146	94	47	1	139	102	45	0	155	139	72	0	169	150	73	0
1954	RAOB RAWIN	157	112	36	0	166	130	59	0	164	141	86	2	163	146	101	2
1955	RAOB RAWIN	155	105	56	0	174	148	45	0	154	139	77	1	148	129	78	1
1956	RAOB RAWIN	159	137	60	0	153	126	43	0	158	140	58	0	161	132	72	0
1957	RAOB RAWIN	152	127	68	0	142	130	66	0	120	104	89	40	144	118	92	3
1958	RAOB RAWIN	171	155	87	1	136	115	75	15	154	131	114	24	165	138	117	0
1959	RAOB RAWIN	177	163	138	0	170	160	143	8	171	148	118	15	143	123	117	62
1960	RAOB RAWIN	160	136	116	30	176	163	151	84	177	165	137	5	179	171	143	1

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Hatteras, N. C.	13745	35° 16'N	75° 40'W	15	WB	- - -	3-1-57				
Cape Hatteras, N. C.	93729	35° 16'N	75° 33'W	15	WB	3-1-57	8-3-57	7 E			
Cape Hatteras, N. C.	93729	35° 16'N	75° 33'W	4	WB	8-4-57	- - -				

CHERRY POINT, NORTH CAROLINA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN									0	0	0	0	0	0	0	0
1947	RAOB RAWIN					0	0	0	0	0	0	0	0				
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: Raob Summaries available - Aug. 1946 thru Jan. 1947 and
Apr. thru Aug. 1947.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Cherry Point, N. C.	13754	34° 54'N	76° 53'W	11	N	8-1-46	9-30-46				
Cherry Point, N. C.	13754	34° 54'N	76° 53'W	5	N	10-1-46	3-31-47				
Cherry Point, N. C.	13754	34° 54'N	76° 53'W	19	N	4-1-47	8-31-47				

GREENSBORO, NORTH CAROLINA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2

REMARKS: 04Z - Jan. thru Apr. 1946. First Raob plus SCR 658 - Mar. 1, 1948 and WBRT 57 - Apr. 17, 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	4	0	0	0	52	1	0	0	68	0	0	0	66	0	0	0
1947	RAOB RAWIN	70	2	0	0	80	1	0	0	45	3	2	0	54	19	11	0
1948	RAOB RAWIN	56	25	12	0	105	46	7	0	99	51	5	0	72	46	15	0
1949	RAOB RAWIN	60	32	8	0	82	39	5	0	72	1	0	0	99	2	0	0
1950	RAOB RAWIN	51	0	0	0	98	32	8	1	123	45	10	0	145	84	32	2
1951	RAOB RAWIN	145	79	29	0	151	79	32	1	165	111	35	0	163	95	41	1
1952	RAOB RAWIN	133	96	58	0	153	126	74	0	158	134	72	0	170	142	92	1
1953	RAOB RAWIN	150	104	56	0	160	135	73	0	164	138	81	2	161	134	66	0
1954	RAOB RAWIN	156	113	61	0	163	147	77	1	166	148	126	2	156	133	88	0
1955	RAOB RAWIN	143	114	70	0	170	147	65	0	173	150	61	0	150	128	76	0
1956	RAOB RAWIN	174	139	51	1	161	135	72	1	167	155	86	0	176	160	90	0
1957	RAOB RAWIN	170	145	59	0	152	128	42	0	127	97	30	0	179	155	84	0
1958	RAOB RAWIN	172	148	81	0	169	130	95	1	179	152	133	0	175	166	159	4
1959	RAOB RAWIN	169	155	7	31	180	177	165	30	173	169	145	10	140	117	102	22
1960	RAOB RAWIN	146	122	112	34	135	122	108	43	170	159	146	58	174	170	153	13

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Greensboro, N. C.	13723	36° 05'N	79° 57'W	275	WB	- - -	6-7-50				
Greensboro, N. C.	13723	36° 05'N	79° 57'W	273	WB	6-8-50	- - -				

BISMARCK, NORTH DAKOTA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	80 3	11 1	0 0	0 0	79 37	2 1	0 0	0 0	45 24	3 0	1 0	0 0	16 10	2 2	1 1	1 0
1947	RAOB RAWIN	2 0	0 0	0 0	0 0	1 1	0 0	0 0	0 0	0 0	0 0	0 0	0 0	35 27	1 1	0 0	0 0
1948	RAOB RAWIN	57 32	6 5	0 0	0 0	135 112	40 30	3 3	0 0	132 92	71 50	17 9	0 0	61 41	14 11	2 0	0 0
1949	RAOB RAWIN	50 29	9 4	0 0	0 0	92 60	38 25	15 8	0 0	123 84	53 26	9 3	0 0	79 25	22 6	3 0	0 0
1950	RAOB RAWIN	64 24	9 1	4 1	0 0	103 54	24 9	7 2	0 0	117 77	41 9	14 3	0 0	116 21	51 7	11 1	3 0
1951	RAOB RAWIN	98 37	42 15	14 4	0 0	145 90	92 35	50 18	0 0	157 64	88 18	59 10	3 1	144 57	86 23	38 6	1 0
1952	RAOB RAWIN	139 80	94 40	35 11	0 0	159 71	122 37	66 10	0 0	165 53	140 32	99 19	0 0	161 72	125 40	38 13	0 0
1953	RAOB RAWIN	159 53	116 25	56 10	1 0	154 68	125 42	54 12	0 0	167 64	147 38	80 17	0 0	158 57	122 31	26 6	0 0
1954	RAOB RAWIN	160 37	117 22	29 4	0 0	170 39	140 25	82 14	1 0	167 60	146 43	100 22	2 0	172 49	133 38	59 9	0 0
1955	RAOB RAWIN	167 48	124 37	38 7	0 0	165 92	133 76	38 20	0 0	165 59	140 48	79 25	4 0	153 37	126 31	58 9	2 0
1956	RAOB RAWIN	163 46	137 40	43 6	0 0	173 61	163 52	90 25	2 0	176 55	166 46	82 21	2 0	174 25	141 21	58 9	0 0
1957	RAOB RAWIN	163 38	134 34	34 6	1 0	166 87	143 72	56 16	0 0	179 70	165 63	128 53	39 7	155 48	137 39	75 22	12 2
1958	RAOB RAWIN	173 83	166 78	79 36	3 0	176 58	173 49	104 25	3 0	183 56	176 51	154 47	14 4	172 35	159 34	145 31	16 1
1959	RAOB RAWIN	177 49	174 47	157 40	29 1	178 57	168 52	156 49	36 7	178 75	174 73	162 65	14 7	158 53	139 51	117 41	16 6
1960	RAOB RAWIN	175 161	159 148	140 123	30 13	173 165	170 160	161 151	64 50	181 179	175 172	158 154	36 34	172 162	159 153	144 125	10 1

REMARKS: First Raob plus SCR 658 - Apr. 23, 1946 and WBRT 57 - Dec. 8, 1959.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS			
						FROM	TO		NAME	FROM	TO	
Bismarck, N. O.	24011	46° 46'N	100° 45'W	505	WB	- - -	10-31-55					
Bismarck, N. O.	24011	46° 46'N	100° 45'W	511	WB	11-1-55	11-30-56					
Bismarck, N. D.	24011	46° 46'N	100° 45'W	505	WB	12-1-56	- - -					

DAYTON, OHIO

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.							0		S 4	S 4	S 4	S 4
1952	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1953	EQUIP. OBS.	S 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1954	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1955	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1956	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1957	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1958	EQUIP. OBS.	G 4	G 2	G 2	G 2	G 2	G 3	G 3	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

REMARKS: First GMDA - Feb. 11, 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN									25 10	20 5	17 2	2 0	46 10	39 2	30 0	2 0
1952	RAOB RAWIN	102 3	62 2	30 1	1 0	165 114	123 85	78 58	0 0	144 114	116 95	72 61	0 0	101 61	59 42	28 20	0 0
1953	RAOB RAWIN	103 81	64 51	25 22	0 0	83 81	56 55	22 21	0 0	109 108	70 69	39 39	1 1	106 103	63 60	34 31	0 0
1954	RAOB RAWIN	120 84	76 49	47 27	5 1	123 110	92 80	70 59	1 0	157 153	128 124	91 88	1 1	126 122	89 86	55 54	1 1
1955	RAOB RAWIN	142 98	82 52	33 19	0 0	155 151	117 114	77 74	4 3	174 170	149 147	107 98	3 2	158 152	118 116	85 78	0 0
1956	RAOB RAWIN	167 161	129 125	91 84	1 1	173 175	134 135	78 76	4 3	306 310	266 269	125 123	0 0	296 290	224 213	54 38	0 0
1957	RAOB RAWIN	300 274	237 224	92 47	0 0	312 310	246 246	66 47	0 0	310 319	261 265	107 101	15 7	339 333	315 313	163 92	9 7
1958	RAOB RAWIN	226 336	213 315	120 96	0 0	185 321	170 282	104 118	14 10	197 340	181 297	155 234	25 23	182 344	173 314	157 247	0 0
1959	RAOB RAWIN	175 314	162 275	137 178	22 6	189 347	185 325	165 265	31 20	179 345	173 323	156 268	17 16	175 293	162 243	143 193	55 23
1960	RAOB RAWIN	171 302	168 244	136 206	78 54	178 323	171 304	161 256	55 45	181 355	172 328	156 275	24 17	173 320	156 265	127 162	11 5

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Dayton, Ohio (Wright-Patterson AFB)	13840	39° 52'N	84° 07'W	297	AF	9-1-51	5-1-56	122 SSW	Toledo, Ohio	- - -	11-30-51
Dayton, Ohio	13840	39° 52'N	84° 07'W	297	WB	5-1-56	- - -				

TOLEDO, OHIO

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	67	0	0	0	98	2	0	0	103	4	0	0	56	3	0	0
1947	RAOB RAWIN	48	1	0	0	18 1	0	0	0	9 2	0	0	0	42 1	7 0	0	0
1948	RAOB RAWIN	20	2	0	0	81 2	37 1	8 0	0	121 1	61 0	11 0	0	121 5	59 1	18 0	0
1949	RAOB RAWIN	118 1	60 1	6 0	0	119 7	70 5	15 0	0	76	12	0	0	86	11	1	0
1950	RAOB RAWIN	110	20	4	0	92 3	32 1	9 0	0	119 10	46 5	21 1	2 0	101 3	57 1	24 1	0
1951	RAOB RAWIN	113 1	66 0	32 0	0	153 6	111 3	46 1	0	155 1	105 1	50 0	0	100 1	48 1	20 0	0
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Toledo, Ohio	14849	41° 34'N	83° 28'W	191	WB	- - -	11-30-51	122 SSW	Dayton, Ohio	9-1-51	- - -

WILMINGTON, OHIO

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.										S 1	S 1	S 1
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1949	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4		
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 042 - Oct. thru Dec. 1946.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN													1 0	0 0	0 0	0 0
1947	RAOB RAWIN	0	0	0	0	12 0	1 0	0 0	0 0	5 1	0 0	0 0	0 0	0 0	2 0	0 0	0 0
1948	RAOB RAWIN	18 1	0 0	0 0	0 0	19 9	1 0	0 0	0 0	29 25	0 0	0 0	0 0	12 7	0 0	0 0	0 0
1949	RAOB RAWIN	13 10	6 4	5 3	0 0	33 30	15 14	5 5	0 0	18 18	11 10	6 6	1 1	1 1	1 1	0 0	0 0
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Wilmington, Ohio (Clinton Co.)	13841	39° 26'N	83° 48'W	323	AP	10-1-46	10-7-49				

ALTUS, OKLAHOMA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.		G 4	G 4	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 2	G 2
1955	EQUIP. OBS.	G 2	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3			
1956	EQUIP. OBS.		G 3	G 3	G 3	G 3	G 3						
1957	EQUIP. OBS.			G 3	G 3	G 3							
1958	EQUIP. OBS.			G 4	G 4	G 3							
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 03Z, 15Z, and 21Z - Apr. thru Oct. 1954 and Feb. thru Sept. 1955. 03Z and 15Z - Nov. 1954 thru Jan. 1955. 09Z, 15Z, and 21Z - Feb. thru Jun. 1956. Max. thru May 1957. 00Z, 12Z, 15Z, and 18Z - Apr. 1958. 00Z, 12Z, and 18Z - May 1958.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN	96 86	60 55	51 50	6 6	158 151	123 89	108 84	28 26	170 163	163 155	147 142	26 26	168 148	150 135	127 115	34 34
1955	RAOB RAWIN	156 141	118 109	90 83	6 5	161 155	124 122	103 100	6 6	138 135	123 122	114 112	12 5				
1956	RAOB RAWIN	36 19	29 15	21 12	0 0	72 64	66 57	58 50	8 8								
1957	RAOB RAWIN	30 23	30 22	29 23	12 12	54 51	53 51	52 50	23 20								
1958	RAOB RAWIN	56 49	47 43	42 40	2 2	94 87	89 86	84 82	13 13								
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Altus, Okla.	13902	34° 39'N	99° 16'W	414	AP	2-1-54	5-18-58				

ENID, OKLAHOMA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.		S 2	S 2	S 2	S 2							
1951	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4					
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2						
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN	2 0	0 0	0 0	0 0	18 8	7 5	4 3	1 1								
1951	RAOB RAWIN	23 2	13 1	3 0	1 0	64 6	37 3	28 3	8 0	40 18	33 12	28 10	11 2				
1952	RAOB RAWIN	40 17	27 12	14 6	2 0	82 24	44 6	35 5	10 3	11 1	7 0	6 0	4 0				
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Enid, Okla. (Vance AFB)	13909	36° 20'N	97° 54'W	396	AF	3-16-50	7-9-52				

FORT SILL, OKLAHOMA LAWTON, OKLAHOMA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2							
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.	G 2	G 2										

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN	83 72	62 54	44 39	19 18	151 149	125 121	85 83	23 15								
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN	70 18	52 15	45 18	14 5												

REMARKS: First GNDI - Feb. 19, 1952 and GNDIA - Feb. 15, 1960.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Fort Sill, Okla. (Post Fld.)	13945	34° 39'N	98° 23'W	357	AP	2-19-52	6-24-52				
Fort Sill (Lawton, Okla.)	13945	34° 39'N	98° 24'W	365	AP	2-15-60	3-30-60	1 W			

OKLAHOMA CITY, OKLAHOMA TINKER AFB

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.									S	S		
1950	EQUIP. OBS.		S	S	S						G	G	G
1951	EQUIP. OBS.	G	1	1	1						M	M	M
1952	EQUIP. OBS.	G	G	G	G					S	S	S	S
1953	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1954	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1955	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1956	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1957	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1958	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1959	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1960	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G

REMARKS: 092 - Feb. thru Apr. 1950. 062 and 182 - Jan. thru Dec. 1958 plus 212 - Apr. and Sept. and 082 - Aug. 062 and 182 - Jan. 1959 thru Dec. 1960 plus 202 - Mar. and Sept. 1959, 002 - May 1959 and Mar. 1960, and 082 - May 1959 and Apr. 1960. See Oklahoma City (Will Rogers AP) for 0300Z and 1500Z obs. First GMD - Oct. 12, 1950, GMD1 - Jan. 15, 1951, and GMD1A - Apr. 10, 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN	28	12	6	0	16	12	7	2								
1952	RAOB RAWIN	23	10	5	0	15	12	7	1								
1953	RAOB RAWIN					19	18	13	0								
1954	RAOB RAWIN					17	17	12	0								
1955	RAOB RAWIN					7	7	6	0								
1956	RAOB RAWIN					7	7	5	0								
1957	RAOB RAWIN					1	1	1	0								
1958	RAOB RAWIN					1	1	1	0								
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Oklahoma City, Okla. (Tinker AFB)	13919	35° 26'N	97° 23'W	383	AF	9-15-49	9-18-49	12 ENE	Oklahoma City, Okla. (Will Rogers AP)	- - -	- - -
Oklahoma City, Okla. (Tinker AFB)	13919	35° 26'N	97° 23'W	376	AF	9-19-49	1-14-51				
Oklahoma City, Okla. (Tinker AFB)	13919	35° 26'N	97° 23'W	380	AF	1-15-51	2-14-52				
Oklahoma City, Okla. (Tinker AFB)	13919	35° 26'N	97° 23'W	375	AF	2-15-52	2-29-53				
Oklahoma City, Okla. (Tinker AFB)	13919	35° 26'N	97° 23'W	390	AF	12-30-53	8-25-59				
Oklahoma City, Okla. (Tinker AFB)	13919	35° 26'N	97° 23'W	387	AI	8-26-59	- - -				

OKLAHOMA CITY, OKLAHOMA WILL ROGERS AP

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	53	6	0	0	108	8	0	0	83	4	0	0	39	0	0	0
1947	RAOB RAWIN	5	0	0	0	1	0	0	0	5	0	0	0	26	10	0	0
1948	RAOB RAWIN	5	0	0	0	30	3	0	0	40	6	0	0	49	12	1	0
1949	RAOB RAWIN	49	15	3	0	59	7	1	0	71	0	0	0	56	0	0	0
1950	RAOB RAWIN	113	2	0	0	75	13	4	0	141	63	13	0	143	87	23	0
1951	RAOB RAWIN	37	1	0	0	59	10	3	0	128	51	12	0	55	32	7	0
1952	RAOB RAWIN	106	51	17	0	137	72	32	0	153	106	65	0	149	95	62	1
1953	RAOB RAWIN	12	2	1	0	83	31	15	0	136	87	52	0	79	40	22	0
1954	RAOB RAWIN	151	89	36	0	160	132	91	2	156	126	70	1	162	121	57	0
1955	RAOB RAWIN	24	14	5	0	111	84	54	0	148	118	56	0	61	46	18	0
1956	RAOB RAWIN	172	128	56	1	165	125	47	0	161	126	36	0	164	98	21	1
1957	RAOB RAWIN	23	12	7	0	86	64	18	0	141	104	24	0	82	40	9	0
1958	RAOB RAWIN	161	85	32	0	145	104	35	0	166	142	74	0	174	134	60	0
1959	RAOB RAWIN	22	6	1	0	98	65	18	0	162	133	60	0	92	72	27	0
1960	RAOB RAWIN	167	105	24	0	158	122	46	0	165	142	63	0	125	94	43	0
1951	RAOB RAWIN	22	14	3	0	111	80	21	0	166	146	58	0	56	44	17	0
1952	RAOB RAWIN	166	145	56	0	170	153	77	0	169	155	70	0	172	156	81	0
1953	RAOB RAWIN	39	34	10	0	108	99	49	0	168	153	71	0	80	74	35	0
1954	RAOB RAWIN	152	98	43	0	158	133	71	0	180	170	138	44	138	109	79	4
1955	RAOB RAWIN	34	23	6	0	99	86	37	0	174	166	137	17	33	20	15	1
1956	RAOB RAWIN	177	157	91	1	154	137	72	2	175	160	128	7	176	161	143	5
1957	RAOB RAWIN	58	55	24	0	96	92	33	0	159	141	102	6	51	42	35	0
1958	RAOB RAWIN	170	137	94	5	162	148	124	15	165	151	133	16	101	67	55	11
1959	RAOB RAWIN	33	26	16	1	87	63	67	5	157	148	124	15	41	31	20	4
1960	RAOB RAWIN	165	137	98	10	171	157	137	7	163	148	135	16	169	156	124	4
		159	129	80	4	179	162	137	6	162	147	131	14	165	156	110	4

REMARKS: First WBRT 57 - Dec. 17, 1959.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Oklahoma City, Okla. (Will Rogers AP)	13967	35° 24'N	97° 36'W	392	WB	- - -	- - -	12 ENE	Oklahoma City, Okla. (Tinker AP)	9-15-49	- - -

MEDFORD, OREGON

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1947	EQUIP. OBS.	S 2	S 2	R 2	R 2	R 2	R 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	R 2	R 2	S 2	S 2	S 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2

REMARKS: First WBRT 57 - Nov. 21, 1959.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	59	5	0	0	70	0	0	0	61	1	0	0	66	6	2	0
1947	RAOB RAWIN	46	0	0	0	38	0	0	0	111	17	0	0	26	0	0	0
1948	RAOB RAWIN	66	5	0	0	148	85	31	0	148	79	42	1	119	56	17	0
1949	RAOB RAWIN	88	33	4	0	116	57	16	0	53	29	16	0	21	0	0	0
1950	RAOB RAWIN	30	2	0	0	116	47	19	4	121	64	22	0	122	50	28	0
1951	RAOB RAWIN	120	64	16	0	158	98	53	1	152	99	63	3	133	89	49	1
1952	RAOB RAWIN	157	127	84	4	166	137	88	0	169	142	76	0	165	127	67	1
1953	RAOB RAWIN	153	99	58	1	169	134	73	0	172	154	80	0	139	91	57	0
1954	RAOB RAWIN	134	87	44	0	162	136	67	0	165	132	78	0	144	95	36	0
1955	RAOB RAWIN	142	96	23	0	219	199	37	0	178	172	80	0	138	112	67	0
1956	RAOB RAWIN	158	124	35	0	161	144	39	0	180	170	106	0	146	115	56	0
1957	RAOB RAWIN	134	92	21	0	171	158	64	0	183	176	145	0	165	129	88	0
1958	RAOB RAWIN	167	147	67	1	175	170	104	0	182	179	169	5	178	166	124	1
1959	RAOB RAWIN	180	176	160	17	182	180	168	34	182	180	160	5	171	153	145	42
1960	RAOB RAWIN	176	160	147	81	179	173	171	134	180	174	152	14	179	173	155	19

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Medford, Oreg.	24225	42° 22'N	122° 52'W	401	WB	- - -	- - -				

PORTLAND, OREGON

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S 2	S 2										
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1954	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1955	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1956	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	6	0	0	0												
	RAOB RAWIN	0	0	0	0												
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN	33	7	2	0	107	53	32	2	119	74	54	0	54	33	18	0
	RAOB RAWIN	29	6	1	0	103	47	29	2	107	68	49	0	42	26	15	0
1954	RAOB RAWIN	84	43	27	0	88	43	24	1	85	51	31	0	92	53	31	1
	RAOB RAWIN	76	35	22	0	87	41	22	1	85	50	31	0	79	46	25	1
1955	RAOB RAWIN	115	64	26	2	170	130	100	1	170	147	125	19	144	105	82	3
	RAOB RAWIN	110	62	26	2	169	130	100	1	168	146	123	19	129	95	73	2
1956	RAOB RAWIN	142	106	53	2	110	83	51	4								
	RAOB RAWIN	135	103	44	2	107	80	47	2								
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Portland, Oreg.	24211	45° 36'N	122° 36'W	6	AP	- - -	2-28-46				
Portland, Oreg.	24211	45° 36'N	122° 37'W	7	AP	2-2-53	5-31-56	1 W 51 SSW	Salem, Oreg. (McNary Fld.)	6-1-56	- - -

SALEM, OREGON

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.						G 4	G 4	G 4	G 4	G 4	G 4	G 4
1957	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN					97 98	82 84	56 61	1 1	328 328	265 269	112 115	10 10	257 236	192 186	94 74	0 0
1957	RAOB RAWIN	315 303	244 233	138 106	23 18	324 320	281 287	123 110	16 15	360 359	346 349	263 267	43 25	172 156	137 131	85 66	17 11
1958	RAOB RAWIN	174 171	166 164	101 78	10 6	162 152	161 103	128 13	17 13	174 174	161 162	145 143	3 3	164 143	134 123	105 94	8 4
1959	RAOB RAWIN	168 146	156 139	138 122	24 20	176 174	173 170	153 150	12 7	181 175	170 143	143 36	37 167	178 156	163 136	144 136	87 68
1960	RAOB RAWIN	162 143	144 127	69 110	53	175 160	167 154	152 142	57 49	181 172	178 170	162 155	20 14	179 151	175 149	156 126	14 5

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Salem, Oreg. (McNary Fld.)	24232	44° 55'N	123° 01'W	61	WB	6-1-56	- - -	51 SSW	Portland, Oreg.	- - -	5-31-56

PITTSBURGH, PENNSYLVANIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1955	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1956	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1957	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	72	3	0	0	73	1	0	0	94	3	0	0	43	0	0	0
1947	RAOB RAWIN	59	2	0	0	78	3	0	0	88	5	1	0	16	0	0	0
1948	RAOB RAWIN	24	2	0	0	56	28	10	0	127	79	36	0	73	31	12	0
1949	RAOB RAWIN	26	12	5	0	51	0	0	0	56	1	0	0	36	3	0	0
1950	RAOB RAWIN	109	21	12	0	136	46	11	0	133	47	11	0	120	61	28	1
1951	RAOB RAWIN	116	67	33	1	144	113	72	2	145	107	64	1	114	57	34	0
1952	RAOB RAWIN	105	76	50	3	140	117	72	2	155	128	72	0	118	76	37	0
1953	RAOB RAWIN	125	82	34	0	137	106	57	0	161	137	70	1	138	113	66	0
1954	RAOB RAWIN	130	97	30	0	133	93	61	0	146	89	38	0	142	79	67	0
1955	RAOB RAWIN	122	73	62	2	284	228	155	4	218	156	97	0	216	129	80	3
1956	RAOB RAWIN	279	205	88	0	191	136	58	0	209	152	100	0	203	139	75	0
1957	RAOB RAWIN	202	160	54	0	169	121	50	0	206	151	97	0	180	125	62	0
1958	RAOB RAWIN	186	110	66	0	225	152	73	0	235	165	36	0	55	26	11	3
1959	RAOB RAWIN	110	71	29	0	227	154	57	0	241	170	31	0	69	39	6	0
1960	RAOB RAWIN	95	42	26	14	132	106	64	0	177	155	132	0	179	165	150	2
		75	36	23	8	117	95	56	0	175	153	127	0	131	123	104	0
1959	RAOB RAWIN	170	136	111	14	179	168	145	21	173	167	148	23	153	124	111	62
1960	RAOB RAWIN	93	76	63	0	171	161	135	14	175	167	146	21	115	96	83	41
		167	145	127	45	168	162	156	98	184	177	167	98	180	178	158	12
		120	107	91	21	157	152	143	83	173	170	155	90	145	143	124	1

REMARKS: First Raob plus SCR 584 - Sept. 18, 1952 and GMDIA - Apr. 27, 1954.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Pittsburgh, Pa.	94823	40° 30'N	80° 13'W	350	WB	- - -	4-26-54				
Pittsburgh, Pa.	94823	40° 30'N	80° 13'W	375	WB	4-27-54	11-30-56				
Pittsburgh, Pa.	94823	40° 30'N	80° 13'W	353	WB	12-1-56	- - -				

QUONSET POINT, RHODE ISLAND

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: Raob Summaries available - Jan. thru May 1946 and Aug. 1946 thru May 1952.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Quonset Point, R. I.	14788	41° 35'N	71° 25'W	10	N	- - -	12-2-52				

CHARLESTON, SOUTH CAROLINA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	W 2	W 2	W 2
1960	EQUIP. OBS.	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	71	14	1	0	76	3	0	0	74	1	0	0	95	21	1	0
1947	RAOB RAWIN	65	4	0	0	35	1	0	0	11	3	1	0	33	3	0	0
1948	RAOB RAWIN	27	5	0	0	114	40	6	0	133	67	22	0	87	39	20	0
1949	RAOB RAWIN	16	3	1	0	73	33	15	0	121	55	7	0	114	14	0	0
1950	RAOB RAWIN	81	14	5	0	85	18	9	0	127	41	8	0	154	85	34	0
1951	RAOB RAWIN	151	93	53	1	167	131	59	1	154	104	58	2	162	102	59	3
1952	RAOB RAWIN	140	7	106	75	4	146	120	70	0	153	122	69	0	159	124	78
1953	RAOB RAWIN	150	111	72	1	166	146	76	0	163	134	77	0	160	129	74	1
1954	RAOB RAWIN	167	131	66	1	178	161	108	1	168	139	102	1	171	139	65	0
1955	RAOB RAWIN	171	119	78	0	158	134	61	0	162	139	57	1	152	133	86	0
1956	RAOB RAWIN	155	5	127	65	0	163	143	76	0	172	163	92	1	176	159	99
1957	RAOB RAWIN	169	142	64	0	149	122	50	0	138	115	58	0	165	153	94	0
1958	RAOB RAWIN	142	131	116	54	0	151	135	81	0	193	187	167	0	183	178	170
1959	RAOB RAWIN	178	156	153	130	5	177	173	154	11	139	121	103	9	113	97	96
1960	RAOB RAWIN	150	122	114	82	170	163	157	113	156	151	136	46	148	136	119	19

REMARKS: First Raob plus SCR 658 - Apr. 21, 1947, GHD1 - Oct. 1, 1957,
and WBRT 57 - Oct. 30, 1959.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Charleston, S. C.	13880	32° 54'N	80° 02'W	13	WB	- - -	- - -				

HURON, SOUTH DAKOTA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.						G 4	G 4	G 4	G 4			
1954	EQUIP. OBS.					G 3	G 3	G 3	G 3	G 3	30		
1955	EQUIP. OBS.					G 3	G 3	G 3	G 3	G 3			
1956	EQUIP. OBS.						G 3	G 3	G 3	G 3			
1957	EQUIP. OBS.						G 3	G 3	G 3	G 3			
1958	EQUIP. OBS.						G 3	G 4	G 3	G 3			
1959	EQUIP. OBS.					G 30	G 3	G 3	G 3	G 4			
1960	EQUIP. OBS.						G 3	G 3	G 3	G 3			

REMARKS: 03Z, 15Z, and 21Z - May thru Oct. 1954 and May thru Sept. 1955. 09Z, 15Z, and 21Z - Jul. thru Sept. 1956. 06Z, 12Z, and 18Z - Jun. thru Sept. 1957. 00Z, 12Z, and 18Z - Jun., Jul., Sept., and Oct. 1958. May thru Aug. 1959 and Jul. 1960. 00Z, 12Z, 14Z, and 18Z - Aug. 1958. First GMD - Jun. 15, 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN					38 35	23 21	19 17	2 1	170 164	149 139	127 119	8 8				
1954	RAOB RAWIN					91 91	89 86	81 74	27 26	165 164	156 153	136 131	52 49	3 3	3 2	2 1	0 0
1955	RAOB RAWIN					93 90	81 80	65 63	6 5	138 136	124 122	114 112	21 21				
1956	RAOB RAWIN									72 71	68 67	64 63	11 11				
1957	RAOB RAWIN					27 27	26 26	25 25	9 9	76 75	67 67	66 64	32 32				
1958	RAOB RAWIN					57 48	56 51	53 51	9 9	179 174	172 168	162 160	9 8	27 23	16 16	10 10	3 3
1959	RAOB RAWIN					63 60	55 53	48 45	7 5	147 141	113 111	90 86	0 0				
1960	RAOB RAWIN					31 31	30 29	27 26	2 1	139 137	127 125	118 116	47 21				

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Huron, S. D. (Mun. AP)	94913	44° 23'N	98° 18'W	394	AF	6-1-53	9-30-53				
Huron, S. D. (Mun. AP)	94913	44° 25'N	98° 13'W	392	AF	5-16-54	10-2-54	5 ENE			
Huron, S. D. (Mun. AP)	94913	44° 23'N	98° 13'W	392	AF	5-15-55	5-27-59	2 S			
Huron, S. D. (Mun. AP)	94913	44° 23'N	98° 13'W	398	AF	5-28-59	9-26-60				

RAPID CITY, SOUTH DAKOTA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	S 20	S 2	S 2	S 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	48 1	5 0	0 0	0 0	77 0	0 0	0 0	0 0	71 0	5 0	1 0	0 0	6 1	1 0	1 0	0 0
1947	RAOB RAWIN	2 0	0 0	0 0	0 0	6 0	0 0	0 0	0 0	1 0	0 0	0 0	0 0	35 29	0 0	0 0	0 0
1948	RAOB RAWIN	38 23	2 0	0 0	0 0	124 98	25 16	1 1	0 0	125 81	69 15	20 2	0 0	81 49	33 17	6 1	0 0
1949	RAOB RAWIN	50 13	14 3	1 0	0 0	57 18	0 0	0 0	0 0	57 29	0 0	0 0	0 0	84 27	1 0	0 0	0 0
1950	RAOB RAWIN	115 37	23 4	12 2	0 0	95 60	21 2	4 1	0 0	118 77	50 9	7 2	0 0	87 16	33 1	6 0	0 0
1951	RAOB RAWIN	74 25	17 4	2 0	0 0	139 52	47 6	19 1	0 0	150 66	77 4	25 0	2 0	129 54	77 11	15 0	0 0
1952	RAOB RAWIN	120 79	68 24	31 6	0 0	163 91	133 26	87 5	0 0	168 69	142 12	103 8	2 0	153 44	114 10	36 1	0 0
1953	RAOB RAWIN	155 25	107 5	51 1	0 0	166 52	136 18	58 3	0 0	170 61	134 25	57 5	0 0	168 49	140 22	48 4	0 0
1954	RAOB RAWIN	166 14	124 7	44 0	0 0	175 44	141 18	81 9	0 0	166 47	147 18	110 15	1 0	171 49	137 35	54 12	1 0
1955	RAOB RAWIN	152 42	96 23	31 6	0 0	159 159	112 112	61 53	2 2	145 148	103 108	65 66	0 0	81 74	37 36	18 10	0 0
1956	RAOB RAWIN	88 84	50 51	26 24	0 0	108 112	69 74	44 44	7 5	124 126	81 82	49 47	2 2	98 95	56 58	35 32	0 0
1957	RAOB RAWIN	118 108	66 58	20 8	0 0	122 123	85 85	47 44	0 0	167 168	142 146	115 114	27 3	82 67	34 26	24 16	1 0
1958	RAOB RAWIN	145 134	105 101	62 43	8 2	188 184	175 172	129 110	0 0	196 191	188 184	169 160	7 5	182 161	171 155	158 128	9 1
1959	RAOB RAWIN	174 159	162 149	138 119	4 1	173 166	163 157	148 141	23 13	181 178	167 167	147 142	44 36	171 150	142 123	102 86	27 11
1960	RAOB RAWIN	179 169	156 148	137 125	52 28	178 176	172 167	162 155	49 28	177 174	175 172	162 158	35 25	179 168	176 163	152 133	21 4

REMARKS: First GMDA - Apr. 2, 1955.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Rapid City, S. O. (Mun. AP)	24090	44° 09' N	103° 06' W	980	WB	- - -	10-12-50				
Rapid City, S. D. (Mun. AP)	24090	44° 02' N	103° 03' W	967	WB	10-13-50	10-24-52	8 SSE			
Rapid City, S. O. (Mun. AP)	24090	44° 02' N	103° 03' W	973	WB	10-25-52	9-30-54				
Rapid City, S. D. (Mun. AP)	24090	44° 02' N	103° 03' W	966	WB	10- 1-54	- - -				

KNOXVILLE, TENNESSEE

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.	G 3	G 3	G 3									
1956	EQUIP. OBS.	G 3	G 3	G 3	G 3	G 3							
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 03Z, 15Z, and 21Z -- Feb. thru Apr. 1955. 09Z, 15Z, and 21Z - Feb. thru Jun. 1956.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN	78 32	61 16	50 8	2 1	53 42	45 16	40 17	4 3								
1956	RAOB RAWIN	45 33	38 28	28 23	3 2	79 77	74 73	70 70	4 3								
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		OIST. AND GIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Knoxville, Tenn. (McGhee Tyson AP)	03851	35° 49' N	83° 59' W	301	AF	2-15-55	6-18-56				

MEMPHIS, TENNESSEE

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.			G 4	G 4	G 4							
1954	EQUIP. OBS.		G 3	G 3	G 3								
1955	EQUIP. OBS.		G 3	G 3	G 3								
1956	EQUIP. OBS.		G 3	G 3	G 3	G 3							
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.		G 4	G 4	G 4	G 3							
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN	53 45	34 22	21 15	0 0	75 69	56 45	40 34	0 0								
1954	RAOB RAWIN	83 68	60 55	50 46	3 3	52 45	45 37	38 31	15 10								
1955	RAOB RAWIN	73 15	59 12	46 8	19 3	44 37	32 4	28 4	4 1								
1956	RAOB RAWIN	43 35	43 33	35 25	11 6	91 88	84 78	71 62	3 3								
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN	83 57	77 61	68 62	41 28	102 99	85 84	78 75	5 1								
1960	RAOB RAWIN																

REMARKS: 032, 152, and 212 - Feb. thru Apr. 1954, Feb. thru Apr. 1955.
092, 152, and 212 - Feb. thru Jun. 1956. 002, 122, 142, and 182 -
Apr. 1960. 002, 122, and 182 - May 1960. First GMDIA - Feb. 1, 1954.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Memphis, Tenn. (AFB)	13862	35° 03'N	89° 59'W	78	AF	3- 7-53	5-14-53				
Memphis, Tenn. (AFB)	13862	35° 03'N	89° 59'W	83	AF	2- 1-54	4-30-55				
Memphis, Tenn. (Mun. AP)	13862	35° 09'N	90° 03'W	80	AF	2-15-56	6-30-56	7 NNW			
Memphis, Tenn. (Mun. AP)	13862	35° 03'N	89° 58'W	88	AF	2-15-59	5-23-59	8 SSE			

NASHVILLE, TENNESSEE

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1947	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1948	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1949	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1950	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1951	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1952	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1953	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1954	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1955	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1956	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1957	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1958	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1959	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1960	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2

REMARKS: First GMDI - Feb. 1, 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	56	1	0	0	55	0	0	0	37	0	0	0	16	0	0	0
1947	RAOB RAWIN	24	0	0	0	45	1	0	0	51	4	1	0	20	0	0	0
1948	RAOB RAWIN	14	1	0	0	49	6	1	0	74	21	6	0	63	21	6	0
1949	RAOB RAWIN	85	47	11	0	107	61	19	0	58	0	0	0	84	2	0	0
1950	RAOB RAWIN	66	0	0	0	61	7	0	0	140	36	11	0	139	73	32	2
1951	RAOB RAWIN	128	85	42	2	141	96	59	0	166	136	82	1	128	95	49	0
1952	RAOB RAWIN	139	92	47	0	156	144	101	0	172	149	89	0	164	133	77	1
1953	RAOB RAWIN	161	117	68	2	167	142	84	0	175	156	96	1	174	119	35	0
1954	RAOB RAWIN	154	114	45	0	170	140	84	0	156	135	81	0	173	138	54	0
1955	RAOB RAWIN	163	101	40	0	162	136	51	0	161	138	46	0	149	129	65	1
1956	RAOB RAWIN	121	86	32	0	150	134	72	0	173	162	78	0	152	126	53	0
1957	RAOB RAWIN	141	96	36	0	172	155	125	0	186	141	112	32	123	75	54	8
1958	RAOB RAWIN	147	112	75	5	175	154	113	10	156	133	113	4	149	117	98	9
1959	RAOB RAWIN	127	81	67	8	179	169	153	32	159	151	141	7	118	83	72	20
1960	RAOB RAWIN	131	101	80	11	171	164	144	50	183	182	169	30	179	169	147	24

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Nashville, Tenn.	13897	36° 07'N	86° 41'W	180	WB	- - -	12-31-49				
Nashville, Tenn.	13897	36° 07'N	86° 41'W	178	WB	1-1-50	- - -				

ABILENE, TEXAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.			G	G	G							
			3	4	4	3							
1958	EQUIP. OBS.			G	G	G							
				4	4	4							
1959	EQUIP. OBS.	G	G	G	G	G							
		3	4	4	4	3							
1960	EQUIP. OBS.	G	G	G	G	G							
		3	3	3	4	3							

REMARKS: 09Z, 15Z and 21Z - Mar. and May 1957. 00Z, 06Z and 12Z - Feb. 1959. 00Z, 12Z, and 18Z - May 1959, Feb. thru Apr. 1960, and Jun. 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN	31	30	29	20	55	53	53	40								
		31	30	28	20	53	52	52	40								
1958	RAOB RAWIN	56	47	42	5	93	89	88	19								
		44	37	32	2	86	83	83	4								
1959	RAOB RAWIN	87	77	70	32	91	82	77	15								
		70	68	65	28	85	74	71	13								
1960	RAOB RAWIN	82	72	59	17	120	111	101	39								
		65	55	48	13	119	110	99	25								

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Abilene, Tex. (Dyess AFB)	13910	32° 26'N	99° 51'W	545	AF	3- 1-57	5-31-57				
Abilene, Tex. (Dyess AFB)	13910	32° 26'N	99° 51'W	539	AF	3- 1-58	5-31-58				
Abilene, Tex. (Dyess AFB)	13910	32° 26'N	99° 51'W	547	AF	2-15-59	5-31-59				
Abilene, Tex. (Dyess AFB)	13910	32° 26'N	99° 51'W	550	AF	2-15-60	6- 4-60				

AMARILLO, TEXAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1953	EQUIP. OBS.	S	G	G	G	G	G	G	G	G	G	G	G
1954	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1955	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1956	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1957	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1958	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1959	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1960	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G

REMARKS: 03Z, 15Z, and 21Z - Feb. 1952. 00Z, 12Z, and 18Z - Apr. thru Sept. 1958. First GMDIA - Feb. 13, 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN	57	33	18	0	74	56	41	6	89	69	43	2	130	96	58	2
1953	RAOB RAWIN	120	84	53	3	116	71	56	1	142	104	82	0	105	63	50	3
1954	RAOB RAWIN	109	69	55	5	95	68	56	13	138	103	96	26	157	129	109	4
1955	RAOB RAWIN	152	111	73	0	166	136	90	3	164	134	108	3	170	138	121	20
1956	RAOB RAWIN	177	148	123	8	167	134	115	16	178	151	130	29	311	274	203	40
1957	RAOB RAWIN	326	277	209	29	327	286	227	14	326	278	225	13	327	271	25	1
1958	RAOB RAWIN	163	132	74	1	194	174	103	16	175	156	121	9	180	170	157	13
1959	RAOB RAWIN	157	142	116	7	194	177	157	8	144	131	111	7	149	111	84	16
1960	RAOB RAWIN	147	109	80	10	191	167	143	3	176	153	124	5	135	97	69	3

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Amarillo, Tex. (AFB)	23003	35° 13'N	101° 50'W	1099	AF	2-15-52	10-9-52				
Amarillo, Tex. (AFB)	23003	35° 13'N	101° 50'W	1096	AF	30-9-52	10-9-56				
Amarillo, Tex. (AFB)	23003	35° 13'N	101° 50'W	1099	WB	10-9-56	11-24-56				
Amarillo, Tex. (AFB)	23003	35° 14'N	101° 42'W	1096	WB	11-24-56	1-56	8 ENE			
Amarillo, Tex. (English AF)	23047	35° 14'N	101° 42'W	1096	WB	12-1-56	2-30-56				
Amarillo, Tex. (English AF)	23047	35° 14'N	101° 42'W	1095	WB	22-31-56	- - -				

BIG SPRING, TEXAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	35 6	0 0	0 0	0 0	37 24	0 0	0 0	0 0	41 37	1 1	1 0	0 0	6 4	2 1	1 1	0 0
1947	RAOB RAWIN	1 0	0 0	0 0	0 0	7 2	1 0	0 0	0 0	19 16	4 3	0 0	0 0	58 23	17 12	3 1	0 0
1948	RAOB RAWIN	3 0	0 0	0 0	0 0	87 70	36 27	16 10	0 0	99 93	50 50	12 10	0 0	85 20	45 13	18 6	0 0
1949	RAOB RAWIN	43 3	1 0	0 0	0 0	127 69	78 49	35 19	0 0	108 106	54 54	16 15	0 0	92 42	0 0	0 0	0 0
1950	RAOB RAWIN	113 23	10 2	0 0	0 0	102 50	23 10	4 1	0 0	103 87	37 28	9 5	0 0	112 49	43 17	9 5	0 0
1951	RAOB RAWIN	92 11	63 6	18 2	1 0	128 30	79 15	33 5	0 0	128 57	84 23	42 9	0 0	131 18	88 9	55 1	0 0
1952	RAOB RAWIN	144 6	92 4	65 3	0 0	147 64	118 46	90 34	3 0	165 148	141 118	102 77	1 0	152 44	112 32	61 16	0 0
1953	RAOB RAWIN	146 25	102 17	48 6	0 0	158 67	127 52	48 17	0 0	164 135	129 103	50 36	1 0	78 51	55 30	16 7	1 0
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Big Spring, Tex. (Mun. AP)	23041	32° 14' N	101° 30' W	774	WB	- - -	12-31-50				
Big Spring, Tex. (Mun. AP)	23041	32° 14' N	101° 30' W	784	WB	1-1-51	11-13-53	46 WSW	Midland, Tex. (Sloan Fid.)	11-15-53	- - -

BROWNSVILLE, TEXAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	S 28	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

REMARKS: First WBET 57 - May 10, 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	92	9	0	0	79	2	0	0	43	0	0	0	27	0	0	0
1947	RAOB RAWIN	19	1	0	0	16	0	0	0	10	0	0	0	36	9	0	0
1948	RAOB RAWIN	6	0	0	0	12	0	0	0	9	0	0	0	25	4	0	0
1949	RAOB RAWIN	15	0	0	0	47	15	6	0	95	35	11	0	101	43	25	0
1950	RAOB RAWIN	5	0	0	0	27	9	5	0	85	30	5	0	57	25	16	0
1951	RAOB RAWIN	30	0	0	0	110	50	24	0	85	54	13	0	96	17	3	0
1952	RAOB RAWIN	6	0	0	0	54	21	7	0	64	36	7	0	42	8	1	0
1953	RAOB RAWIN	115	14	7	0	94	19	1	0	131	52	9	0	137	62	28	1
1954	RAOB RAWIN	35	3	2	0	33	6	1	0	84	22	3	0	66	21	7	0
1955	RAOB RAWIN	147	73	37	1	148	88	46	0	146	99	44	1	138	89	55	1
1956	RAOB RAWIN	39	11	4	0	67	34	13	0	129	83	37	0	63	31	18	0
1957	RAOB RAWIN	112	61	22	0	117	78	57	2	130	111	72	2	150	114	58	0
1958	RAOB RAWIN	27	12	5	0	37	21	13	0	107	85	48	0	34	16	7	0
1959	RAOB RAWIN	151	107	42	0	122	104	42	0	136	100	45	0	129	84	33	0
1960	RAOB RAWIN	21	8	3	0	48	32	9	0	109	76	27	0	40	13	3	0
1946	RAOB RAWIN	138	111	61	0	151	121	35	0	155	128	66	0	153	112	71	0
1947	RAOB RAWIN	13	2	1	0	88	59	13	0	143	118	49	0	29	14	17	0
1948	RAOB RAWIN	141	85	44	0	118	83	22	0	132	99	34	0	108	72	35	0
1949	RAOB RAWIN	25	9	3	0	59	41	6	0	122	88	21	0	60	37	8	0
1950	RAOB RAWIN	154	127	78	0	147	121	60	0	160	145	89	0	172	133	94	0
1951	RAOB RAWIN	29	19	5	0	89	70	30	0	139	123	68	0	35	22	11	0
1952	RAOB RAWIN	150	127	68	0	121	117	44	0	165	151	105	1	164	153	108	0
1953	RAOB RAWIN	44	32	14	0	62	41	17	0	150	130	91	1	20	17	11	0
1954	RAOB RAWIN	163	120	92	7	178	152	65	2	170	160	145	1	159	145	135	30
1955	RAOB RAWIN	0	0	0	0	86	77	37	0	164	149	125	0	63	55	42	2
1956	RAOB RAWIN	175	162	150	41	182	173	158	36	160	150	135	12	116	96	86	12
1957	RAOB RAWIN	6	5	4	0	110	96	86	10	160	144	127	3	29	21	19	3
1958	RAOB RAWIN	168	150	128	27	176	167	149	67	163	155	139	37	172	163	140	13
1959	RAOB RAWIN	4	2	1	0	114	111	96	30	162	156	136	22	168	158	129	2

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Brownsville, Tex.	12919	25° 55'N	97° 28'W	6	WB	- - -	12-31-50				
Brownsville, Tex.	12919	25° 54'N	97° 26'W	7	WB	1-1-51	- - -	2 ESE			

BRYAN, TEXAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.		G 3	G 3	G 3	G 3	G 3	G 3	G 4	G 3	G 3	G 2	G 2
1955	EQUIP. OBS.	G 2	G 3	G 4	G 3	G 3	G 3	G 3	G 3	G 3			
1956	EQUIP. OBS.		G 3	G 3	G 3	G 3	G 3						
1957	EQUIP. OBS.		G 3	G 4	G 3	G 3							
1958	EQUIP. OBS.		G 4	G 4	G 4	G 4							
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN	97 92	61 58	53 51	15 15	164 144	144 125	132 115	31 27	167 152	160 146	144 131	27 24	165 151	136 120	103 97	23 22
1955	RAOB RAWIN	153 138	89 81	72 63	12 12	157 156	133 127	118 116	32 31	138 138	127 127	107 107	8 8				
1956	RAOB RAWIN	45 36	41 38	32 29	4 3	74 68	64 59	47 42	0 0								
1957	RAOB RAWIN	51 51	46 45	40 39	12 8	49 48	47 45	29 20									
1958	RAOB RAWIN	104 61	92 58	81 63	5 4	89 68	86 68	81 75	23 22								
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: 032, 152, and 212 - Feb. thru Jul. 1954, Sept. and Oct. 1954, Feb. 1955, and Apr. thru Sept. 1955. 032 and 152 - Nov. 1954 thru Jan. 1955. 092, 152, and 212 - Feb. thru Jun. 1956 and Feb., Apr., May 1957.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Bryan, Tex. (AFB)	13905	30° 40'N	96° 33'W	81	AF	2-1-54	2- 4-57				
Bryan, Tex. (AFB)	13905	30° 40'N	96° 33'W	84	AF	2-5-57	5-18-58				

CORPUS CHRISTI, TEXAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1954	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1955	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1956	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1957	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1958	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1959	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1960	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G

REMARKS: 152 - Aug. thru Dec. 1954, Jul. 1955, and Apr. 1956. 002, 122, and 182 - Apr. thru Oct. 1957. First GNDI - Aug. 28, 1954 and GNDIA - Sept. 19, 1955.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN	59	33	24	0	65	37	27	1	81	59	34	0	57	32	14	0
1954	RAOB RAWIN	27	8	3	0	101	61	22	0	58	35	9	0	40	31	14	0
1955	RAOB RAWIN	124	82	51	0	79	54	19	0	66	49	13	0	73	28	10	0
1956	RAOB RAWIN	65	26	11	0	49	14	3	0	57	28	12	0	86	61	42	0
1957	RAOB RAWIN	111	69	39	0	120	86	55	0	117	85	60	0	88	42	26	0
1958	RAOB RAWIN	52	18	12	0	96	80	69	0	144	122	99	17	107	60	42	0
1959	RAOB RAWIN	147	106	82	40	149	129	109	30	141	122	88	10	121	86	68	10
1960	RAOB RAWIN	144	93	65	13	117	104	84	13	142	113	95	10	132	100	90	40

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Corpus Christi, Tex.	12926	27° 41'N	97° 17'W	6	N	2- 1-53	2-20-57				
Corpus Christi, Tex.	12926	27° 41'N	97° 17'W	18	N	2-21-57	2- 1-59				
Corpus Christi, Tex.	12926	27° 41'N	97° 17'W	11	N	2- 2-59	- - -				

DEL RIO, TEXAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 2	G 2
1955	EQUIP. OBS.	G 2	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3
1956	EQUIP. OBS.	G 3	G 4	G 3	G 3	G 4	G 4	G 4	G 4	G 4	G 4	G 3	G 3
1957	EQUIP. OBS.	G 3	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 3
1958	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1959	EQUIP. OBS.	G 4	G 4	G 3	G 3	G 3	G 3	G 2	G 2	G 3	G 2	G 2	G 2
1960	EQUIP. OBS.	G 3	G 2	G 3	G 3	G 3	G 3	G 2	G 2	G 2	G 2	G 3	G 3

REMARKS: 002, 152, and 212 - Jan. thru Oct. 1954, Feb. 1955 thru Jan. 1956. 002 and 152 - Nov. 1954 thru Jan. 1955. 092, 152, and 212 - Mar. and Apr. 1956, Nov. 1956 thru Jan. 1957. 002, 062, and 122 - Dec. 1957. 002, 122, and 182 - Apr. thru Jun. 1959, Jan. 1960, Mar. thru Jul. 1960, and Nov. 1960. 002, 022, and 122 - Sept. 1959. 002, 112, and 122 - Dec. 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN	100 86	58 54	50 48	7 6	169 159	144 133	133 123	33 32	181 154	179 143	154 122	40 27	164 108	142 71	122 59	17 7
1955	RAOB RAWIN	148 111	102 70	76 61	5 3	160 158	128 126	117 115	7 6	158 152	140 138	125 123	5 5	168 167	151 150	134 134	8 7
1956	RAOB RAWIN	133 131	118 114	107 103	43 42	149 148	146 146	139 139	27 27	183 183	170 170	156 156	69 69	110 109	108 108	101 101	39 39
1957	RAOB RAWIN	144 143	138 137	129 128	91 88	175 172	157 156	149 148	62 61	177 168	169 161	161 156	56 56	159 152	132 122	117 112	33 26
1958	RAOB RAWIN	175 125	154 129	138 127	11 7	175 164	165 158	153 150	38 26	179 171	164 159	155 149	52 38	176 172	156 156	143 143	111 102
1959	RAOB RAWIN	178 173	170 167	158 156	108 91	181 180	181 180	179 178	110 89	182 179	180 177	178 175	123 103	181 176	179 175	179 175	107 75
1960	RAOB RAWIN	182 158	181 165	179 171	91 52	180 179	177 177	175 174	51 27	172 172	169 163	165 80	96 80	172 162	149 142	139 127	3 1

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Del Rio, Tex. (Laughlin AFB)	22001	29° 20'N	100° 53'W	333	AF	1-28-54	7-18-54				
Del Rio, Tex. (Laughlin AFB)	22001	29° 22'N	100° 47'W	333	AF	7-19-54	12-31-55	6 ENE			
Del Rio, Tex.	20001	29° 20'N	100° 46'W	333	AF	1-1-56	- - -	2 SSE			

EL PASO, TEXAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1955	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	80	3	0	0	64	2	0	0	77	3	0	0	15	2	1	0
1947	RAOB RAWIN	9	0	0	0	53	0	0	0	36	2	0	0	24	11	6	0
1948	RAOB RAWIN	18	1	1	0	51	9	0	0	57	3	1	0	82	11	6	0
1949	RAOB RAWIN	61	32	19	0	98	54	22	0	51	3	0	0	33	0	0	0
1950	RAOB RAWIN	21	12	7	0	31	18	6	0	28	2	0	0	11	0	0	0
1951	RAOB RAWIN	78	25	8	0	55	12	3	0	70	27	9	0	103	53	27	2
1952	RAOB RAWIN	25	10	4	0	20	6	2	0	31	18	6	0	37	22	14	1
1953	RAOB RAWIN	124	55	28	4	138	85	45	0	144	107	71	2	133	105	71	2
1954	RAOB RAWIN	24	10	6	0	42	32	23	0	53	44	33	1	44	36	21	0
1955	RAOB RAWIN	145	104	77	4	169	137	105	1	162	136	104	0	171	144	97	1
1956	RAOB RAWIN	34	24	20	0	51	45	36	0	65	57	44	0	56	47	32	1
1957	RAOB RAWIN	145	129	91	4	173	152	66	1	161	141	78	0	163	135	79	1
1958	RAOB RAWIN	40	31	30	0	81	63	30	0	60	57	26	0	49	39	19	0
1959	RAOB RAWIN	83	37	8	0	132	102	53	1	161	137	59	0	159	123	32	0
1960	RAOB RAWIN	21	10	2	0	53	42	20	0	66	53	13	0	56	46	6	0
1946	RAOB RAWIN	117	63	7	0	156	124	51	0	158	141	86	0	143	126	79	0
1947	RAOB RAWIN	28	14	1	0	39	31	12	0	151	131	79	0	81	72	34	0
1948	RAOB RAWIN	153	124	43	0	148	127	56	0	159	143	62	0	152	130	69	0
1949	RAOB RAWIN	47	35	12	0	86	72	25	0	151	141	58	0	83	72	29	0
1950	RAOB RAWIN	42	106	49	1	165	153	112	1	139	119	90	17	117	71	47	8
1951	RAOB RAWIN	34	21	6	0	116	105	74	0	141	113	85	9	42	21	12	3
1952	RAOB RAWIN	161	146	83	11	172	165	106	7	174	162	139	4	169	143	120	8
1953	RAOB RAWIN	31	22	7	1	115	105	82	6	171	161	137	4	124	100	79	0
1954	RAOB RAWIN	179	172	158	33	183	179	146	50	162	152	146	39	114	85	78	32
1955	RAOB RAWIN	53	47	41	7	125	123	112	23	155	144	139	33	62	52	49	12
1956	RAOB RAWIN	155	139	116	6	181	177	167	14	180	177	172	25	183	181	168	7
1957	RAOB RAWIN	35	28	17	0	123	116	107	6	178	174	163	16	183	181	160	3

REMARKS: First Raob plus SCR 658 - Mar. 25, 1955 and WBRT 57 - Aug. 1, 1960.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
El Paso, Tex. (Mm. AP)	23044	31° 48' N	106° 24' W	1195	WB	- - -	6-30-57				
El Paso, Tex. (Mm. AP)	23044	31° 48' N	106° 24' W	1197	WB	7-1-57	7-31-60				
El Paso, Tex. (Mm. AP)	23044	31° 48' N	106° 24' W	1193	WB	8-1-60	- - -				

FORT BLISS, TEXAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.			S 2	S 2			S 1	S 1	S 1	S 2	S 2	S 1
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 1	0 0	0 0	0 0	2 2	0 0	0 0	0 0
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: 172 and 212 - Mar. and Apr. 1948. 162 - Jul. thru Sept. 1948.
172 - Dec. 1948.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Fort Bliss, Tex.	23038	31° 47'N	106° 25'W	1184	AF	3-23-48	12-1-48				

FORT WORTH, TEXAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 1	R 1	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	S 3	S 3	S 3	S 3	S 3	S 3
1949	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 2	S 2
1950	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1951	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1952	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1953	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1954	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1955	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1956	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1957	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1958	EQUIP. OBS.	G 4	G 4	G 3	G 3	G 3	G 3	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

REMARKS: 042 - Jan. and Feb. 1946. 002, 122, and 182 - Apr. thru
Jul. 1958. First GMDIA - Dec. 11, 1952.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	25 0	0 0	0 0	0 0	39 17	0 0	0 0	0 0	23 15	0 0	0 0	0 0	9 5	0 0	0 0	0 0
1947	RAOB RAWIN	5 0	0 0	0 0	0 0	26 6	0 0	0 0	0 0	17 6	1 1	1 1	0 0	29 4	13 2	3 0	0 0
1948	RAOB RAWIN	65 2	29 0	2 0	0 0	76 3	24 3	8 0	0 0	158 23	99 10	25 0	0 0	69 8	28 1	20 0	0 0
1949	RAOB RAWIN	15 0	6 0	2 0	0 0	24 14	6 3	4 2	0 0	36 30	0 0	0 0	0 0	31 11	17 4	12 4	3 0
1950	RAOB RAWIN	65 3	42 2	27 1	5 0	78 19	57 6	33 3	7 1	78 26	58 20	41 11	7 2	72 11	52 6	30 3	6 1
1951	RAOB RAWIN	68 3	32 2	20 1	0 0	64 21	46 9	26 5	7 0	98 89	66 61	42 38	9 6	118 23	71 12	59 9	10 2
1952	RAOB RAWIN	138 11	92 3	59 2	5 0	152 112	120 89	88 69	17 14	163 160	134 127	92 89	9 9	158 97	125 75	90 54	15 9
1953	RAOB RAWIN	119 67	68 38	50 27	7 3	92 90	47 46	41 3	3 3	132 103	103 80	83 80	10 8	112 106	70 65	56 53	7 5
1954	RAOB RAWIN	84 80	50 46	43 39	9 5	65 63	44 43	38 37	7 5	108 107	80 79	75 75	2 2	116 109	74 72	56 54	3 2
1955	RAOB RAWIN	132 127	85 80	66 63	3 0	149 147	118 116	91 90	16 12	167 159	152 145	128 119	9 3	161 159	137 134	130 127	54 30
1956	RAOB RAWIN	275 272	183 182	109 83	11 3	280 276	208 208	111 89	3 0	287 288	231 234	142 134	3 1	311 314	259 264	162 145	7 1
1957	RAOB RAWIN	289 289	215 216	134 119	20 13	264 268	193 198	130 123	5 2	219 223	191 196	160 159	41 11	270 263	133 134	101 134	14 7
1958	RAOB RAWIN	263 260	129 205	72 92	5 1	193 328	178 297	123 156	30 29	190 349	177 320	155 268	49 46	186 340	176 306	159 236	21 10
1959	RAOB RAWIN	177 309	155 268	133 204	14 3	195 329	178 294	162 252	37 32	175 322	158 274	144 232	39 40	171 313	157 266	141 223	65 63
1960	RAOB RAWIN	188 314	167 274	159 261	108 89	196 347	192 328	179 234	76 70	180 357	177 350	166 289	23 18	183 354	172 327	163 274	22 7

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Fort Worth, Tex. (Meacham Fld.)	93904	32° 49'N	97° 21'W	211	AF	- - -	8-23-48				
Fort Worth, Tex. (Carswell AFB)	13911	32° 46'N	97° 27'W	194	AF	8-23-48	7-20-49	7 SW			
Fort Worth, Tex. (Carswell AFB)	13911	32° 46'N	97° 27'W	178	AF	7-21-49	11-30-55				
Fort Worth, Tex.	13911	32° 46'N	97° 25'W	178	WB	12-1-55	3- 3-57	2 E			
Fort Worth, Tex.	13911	32° 46'N	97° 25'W	180	WB	3-4-57	- - -				

HOUSTON, TEXAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.			G 4	G 4	G 4							
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.	G 4	G 4	G 3	G 3								
1960	EQUIP. OBS.	G 2	G 3	G 4	G 3								

REMARKS: 00Z, 12Z, and 18Z - Apr. and May 1959, Mar. and May 1960.
First GMDA - Feb. 15, 1959.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN	57 57	44 44	28 26	0 0	76 75	56 56	35 33	3 3								
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN	84 73	69 63	59 54	37 35	99 93	93 86	83 76	44 39								
1960	RAOB RAWIN	87 67	76 60	75 64	42 32	96 93	87 85	77 72	14 10								

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Houston, Tex. (Ellington AFB)	12906	29° 36'N	95° 10'W	12	AF	3-1-53	5-20-60				

LUBBOCK, TEXAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.		S 2	S 2	S 2	S 2							
1951	EQUIP. OBS.												
1952	EQUIP. OBS.	G 2	G 4	G 3	G 4	G 3							
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.		G 3	G 3	G 3								

REMARKS: 032, 152, and 212 - Apr. and Jun. 1952. 002, 122, and 182 - Mar. thru May 1960. First GMD1 - Feb. 15, 1952 and GMD1A - Mar. 15, 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN	0 0	0 0	0 0	0 0	1 1	0 0	0 0	0 0								
1951	RAOB RAWIN																
1952	RAOB RAWIN	65 58	51 34	33 17	10 3	101 98	62 60	49 48	4 4								
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN	31 32	30 30	26 25	20 17	103 102	99 99	93 93	25 18								

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Lubbock, Tex. (Reese AFB)	23021	33° 35'N	102° 14'W	1015	AF	3-1-50	6-13-50				
Lubbock, Tex. (Reese AFB)	23021	33° 36'N	102° 15'W	1014	AF	2-15-52	6-25-52	1 NW			
Lubbock, Tex. (Reese AFB)	23021	33° 36'N	102° 02'W	1015	AF	3-15-60	5-22-60	13 E			

MIDLAND, TEXAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.											S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN													84 23	49 15	10 3	0 0
1954	RAOB RAWIN	154 29	85 13	15 1	0 0	139 68	106 34	53 15	0 0	140 99	123 82	72 49	0 0	156 79	129 60	74 29	0 0
1955	RAOB RAWIN	160 6	103 5	48 2	0 0	149 63	122 41	60 15	1 1	160 153	138 131	70 60	2 1	143 84	110 64	69 27	0 0
1956	RAOB RAWIN	167 35	141 28	50 3	0 0	163 101	149 89	61 42	0 0	135 133	119 119	53 48	0 0	161 60	143 46	83 20	0 0
1957	RAOB RAWIN	141 19	95 12	45 2	0 0	157 82	139 63	82 40	0 0	158 140	129 106	83 69	0 0	160 30	142 21	101 13	0 0
1958	RAOB RAWIN	168 29	151 20	105 8	0 0	185 113	147 91	91 53	0 0	187 176	177 164	160 147	22 16	178 51	165 40	144 32	9 0
1959	RAOB RAWIN	162 20	152 17	140 14	26 1	188 103	183 95	169 81	24 7	164 144	145 115	133 98	1 1	109 19	72 10	63 9	24 5
1960	RAOB RAWIN	122 8	97 6	83 6	7 0	179 159	164 145	142 124	24 16	175 176	169 151	153 11	14 11	168 160	144 136	124 111	9 0

REMARKS: First WBRT 57 - Apr. 21, 1960.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Midland, Tex. (Sloan Fld.)	23023	31° 56'N	102° 12'W	871	WB	11-15-53	12-31-59	46 WSW	Big Spring, Tex. (Mm. AP)	- - -	11-13-53
Midland, Tex. (Sloan Fld.)	23023	31° 56'N	102° 12'W	880	WB	1- 1-60	2- 4-60				
Midland, Tex. (Sloan Fld.)	23023	31° 56'N	102° 12'W	878	WB	2- 5-60	4-17-60				
Midland, Tex. (Sloan Fld.)	23023	31° 56'N	102° 12'W	871	WB	4-18-60	4-19-60				
Midland, Tex. (Sloan Fld.)	23023	31° 56'N	102° 12'W	874	WB	4-20-60	- - -				

SAN ANTONIO, TEXAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	44 2	0 0	0 0	0 0	46 20	3 0	0 0	0 0	44 30	0 0	0 0	0 0	39 12	0 0	0 0	0 0
1947	RAOB RAWIN	13 0	0 0	0 0	0 0	18 5	1 0	0 0	0 0	11 10	2 0	0 0	0 0	56 19	20 8	5 1	0 0
1948	RAOB RAWIN	28 7	1 0	0 0	0 0	86 56	28 15	4 2	1 0	97 87	23 18	5 3	0 0	39 10	10 1	2 1	0 0
1949	RAOB RAWIN	60 2	24 0	13 0	0 0	74 27	28 6	10 4	0 0	97 73	29 22	2 1	0 0	84 20	16 1	2 0	0 0
1950	RAOB RAWIN	49 6	5 0	3 0	0 0	82 30	21 3	4 0	0 0	113 87	50 36	14 9	1 1	125 64	74 29	41 11	5 1
1951	RAOB RAWIN	121 13	71 5	45 3	2 1	128 51	91 21	59 10	0 0	150 99	123 61	73 31	1 0	138 21	102 5	70 2	4 0
1952	RAOB RAWIN	136 2	85 1	40 0	1 0	146 64	112 42	65 21	0 0	167 159	143 135	90 71	2 0	157 58	115 23	59 8	0 0
1953	RAOB RAWIN	164 14	119 5	72 1	0 0	142 55	113 37	75 19	0 0	145 118	120 97	63 38	0 0	171 59	138 33	88 13	0 0
1954	RAOB RAWIN	156 18	104 6	58 1	0 0	139 87	103 53	53 19	0 0	145 133	117 104	63 34	0 0	153 66	119 40	57 12	0 0
1955	RAOB RAWIN	155 26	85 9	42 2	0 0	163 85	116 51	48 14	0 0	160 150	145 134	53 38	0 0	137 68	116 51	69 14	1 0
1956	RAOB RAWIN	150 25	116 10	54 1	0 0	146 96	114 72	46 25	0 0	168 161	156 145	83 67	1 1	163 53	144 43	66 14	0 0
1957	RAOB RAWIN	150 32	111 21	45 4	0 0	162 97	130 78	58 38	0 0	174 134	152 110	114 73	0 0	153 21	133 15	99 8	0 0
1958	RAOB RAWIN	173 19	150 15	92 0	0 0	195 101	176 89	149 66	3 0	167 139	141 104	118 79	1 1	146 35	121 25	104 17	8 0
1959	RAOB RAWIN	146 19	102 15	85 0	6 0	164 59	146 47	132 10	56 10	172 155	165 141	153 120	45 29	103 62	62 20	56 10	19 3
1960	RAOB RAWIN	93 9	61 6	55 4	17 0	184 96	172 82	154 68	47 11	173 159	166 146	158 128	46 25	164 32	147 25	126 20	28 1

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		OIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
San Antonio, Tex. (AP)	12921	29° 32'N	98° 28'W	240	WB	- - -	9-11-53				
San Antonio, Tex. (AP)	12921	29° 32'N	98° 28'W	248	WB	9-12-53	11-4-53				
San Antonio, Tex. (AP)	12921	29° 32'N	98° 28'W	243	WB	11-5-53	- - -				

SHERMAN, TEXAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.	R 4	R 4	R 4	R 4								
1952	EQUIP. OBS.				S 2	S 3	S 2						
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN	49 46	26 24	18 16	6 3	19 18	8 7	5 4	1 1								
1952	RAOB RAWIN					118 59	89 33	70 30	19 2								
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: 03Z, 15Z, and 21Z - May 1952. First Raob plus SCR 658 -
Apr. 1, 1952.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Sherman, Tex. (Perrin AFB)	13923	33° 43'N	96° 40'W	251	AF	1-1-51	4- 3-52				
Sherman, Tex. (Perrin AFB)	13923	33° 43'N	96° 40'W	247	AF	4-4-52	6-30-52				

WACO, TEXAS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.	G 4	G 4	G 4	G 4								
1952	EQUIP. OBS.	G 3	G 3	G 3	G 3	G 3							
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 03Z, 15Z, and 21Z - Feb. thru Jun. 1952. First Raob plus SCR 658 - Mar. 7, 1952.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN	50 39	28 12	23 5	10 2	12 11	4 4	2 1	1 0								
1952	RAOB RAWIN	56 26	36 12	21 0	4 0	97 20	67 4	49 3	12 0								
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Waco, Tex. (Connally AFB)	13928	31° 38'N	97° 16'W	145	AF	1-17-51	4-16-51				
Waco, Tex. (Connally AFB)	13928	31° 38'N	97° 04'W	138	AF	2-29-52	6-15-52	12 E			

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 1	R 1	R 1	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	S 3	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1950	EQUIP. OBS.	S 3	S 3	S 3	S 3	S 3	S 3	S 3	S 3	S 3	S 3	S 3	S 3
1951	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1952	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1953	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1954	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1955	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1956	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	29	0	0	0	104	3	0	0	94	9	1	0	77	11	1	0
1947	RAOB RAWIN	39	1	0	0	54	0	0	0	35	6	0	0	65	15	0	0
1948	RAOB RAWIN	77	8	0	0	96	25	5	0	70	16	0	0	2	0	0	0
1949	RAOB RAWIN	12	0	0	0	21	0	0	0	54	31	16	2	36	12	6	2
1950	RAOB RAWIN	46	20	11	1	101	64	47	13	81	41	35	13	34	20	7	1
1951	RAOB RAWIN	50	28	17	6	63	45	32	6	40	28	19	2	14	4	1	0
1952	RAOB RAWIN	3	0	0	0	11	2	0	0	3	1	1	0	2	0	0	0
1953	RAOB RAWIN	38	22	15	3	131	96	64	12	43	26	15	1	56	37	20	0
1954	RAOB RAWIN	4	2	1	0	36	20	13	2	15	8	3	0	24	7	2	0
1955	RAOB RAWIN	89	47	20	2	122	89	60	2	118	84	62	1	134	93	63	3
1956	RAOB RAWIN	66	37	18	1	84	56	42	2	105	74	53	1	116	84	56	2
1957	RAOB RAWIN	65	35	27	0	110	69	54	6	160	135	104	2	147	113	80	3
1958	RAOB RAWIN	54	26	20	0	88	52	40	2	142	117	89	1	111	88	60	3
1959	RAOB RAWIN	122	71	35	0	170	122	87	0	160	131	100	0	150	91	57	3
1960	RAOB RAWIN	104	61	28	0	154	110	76	0	127	107	80	0	130	80	54	1

REMARKS: 04Z - Jan. thru Mar. 1946. 03Z, 15Z, and 21Z - Jan. 1949. 03Z, 09Z, and 15Z - Feb., Mar., and May 1950. First Raob plus SCR 658 - Nov. 5, 1948, GND1 - Dec. 6, 1952, and GND1A - Sept. 19, 1953.

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Ogden, Utah	24126	41° 12'N	112° 01'W	1355	WB	- - -	8-26-48				
Ogden, Utah	24101	41° 07'N	112° 00'W	1451	AF	11-5-48	8-18-50	5 SSE			
Ogden, Utah	24101	41° 07'N	112° 00'W	1448	AF	8-19-50	12-31-51				
Ogden, Utah	24101	41° 07'N	112° 00'W	1450	AF	1- 1-52	8- 7-56	21 SSE	Salt Lake City, Utah	8-7-56	- - -

SAINT GEORGE, UTAH

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.				G 4	G 4	G 4	G 4	G 4	G 4			
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN					130 122	0 0	0 0	0 0	131 129	0 0	0 0	0 0				
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
St. George, Utah	03121	37° 06'N	113° 36'W	895	AF	4-17-57	9-28-57				

SALT LAKE CITY, UTAH

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1958	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1959	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1960	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN									197	175	108	3	326	237	113	0
										193	171	102	1	308	227	97	1
1957	RAOB RAWIN	331	260	107	0	339	300	148	1	344	327	252	10	151	116	83	3
		268	214	71	0	329	298	120	0	345	331	253	2	272	214	119	2
1958	RAOB RAWIN	172	165	129	2	174	166	133	0	183	175	156	0	177	160	133	2
		298	265	173	11	324	280	195	0	348	319	263	0	335	290	212	0
1959	RAOB RAWIN	173	165	145	18	178	173	164	32	179	178	169	19	173	160	143	34
		317	285	225	7	332	317	273	28	351	336	302	21	325	293	243	13
1960	RAOB RAWIN	174	157	142	67	175	171	160	77	177	163	153	11	180	167	147	15
		309	266	203	51	338	314	280	82	338	297	264	8	333	303	229	2

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Salt Lake City, Utah	24127	40° 46'N	111° 58'W	1288	WB	8-7-56	- - -	21 SSE	Ogden, Utah	- - -	8-7-56

TOOELE, UTAH

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.										S 2	S 2	
1950	EQUIP. OBS.						S 2	S 2	S 2	S 2			
1951	EQUIP. OBS.			S 1	S 2	S 2	S 2	S 2	S 4	S 4	S 4	S 4	
1952	EQUIP. OBS.	S 2	S 2	S 4	S 4	S 4	S 4	S 4	S 4	S 3	S 2	S 2	
1953	EQUIP. OBS.	S 2	S 2	S 4	S 1	S 1	S 1	S 1	S 2	S 2	G 3	G 3	G 1
1954	EQUIP. OBS.	G 2	G 2	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1
1955	EQUIP. OBS.	G 1	G 1	G 2	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1
1956	EQUIP. OBS.							G 1	G 1	G 1	G 1	G 1	G 1
1957	EQUIP. OBS.	G 1	G 2	G 1	G 2	G 1	G 1	G 2					
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 01Z and 13Z - Jun. thru Aug. 1950. 03Z and 13Z - Sept. 1950. Times of obs. are varied - Oct. 1950. 16Z - Apr. 1951. 15Z and 21Z - May thru Jul. 1951. Feb. 1953, and Sept. 1956. 03Z and 15Z - Jan. thru Mar. 1952 and Nov. 1952 thru Jan. 1953. 03Z, 15Z, and 21Z - Oct. 1952. 11Z and 13Z - Sept. 1953. 05Z and 11Z - Oct. 1953. 03Z, 11Z, and 16Z - Nov. 1953. 15Z - Apr. and May 1953. Dec. 1953, Mar. 1954 thru Feb. 1955, Aug. 1956, Oct. 1956 thru Jan. 1957, and Mar. and May 1957. 12Z - Jun. thru Aug. 1953. Apr. thru Aug. 1955 and Jun. 1957. 02Z and 15Z - Jan. 1956. 15Z and 20Z - Feb. 1954, Feb. and Apr. 1957. 12Z and 15Z - Mar. 1955 and Jul. 1957. 14Z - Sept. and Oct. 1955. First GMDIA - Oct. 1, 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN					2 1	1 1	0 0	0 0	37 15	30 9	17 4	4 0				
1951	RAOB RAWIN					10 7	1 0	0 0	0 0	23 3	10 8	4 1	2 0	17	11	7	0
1952	RAOB RAWIN	66 9	46 7	25 4	5 1	99 5	79 4	58 3	12 1	92 31	81 18	58 12	8 2	64 19	43 8	27 2	1 0
1953	RAOB RAWIN	25 2	11 0	6 0	0 1	36 1	22 1	11 0	1 0	30 5	18 3	10 1	1 0	46 42	37 34	24 22	2 2
1954	RAOB RAWIN	40 40	31 31	16 16	0 0	47 44	40 38	33 30	2 2	53 52	48 47	44 42	0 0	52 52	41 41	32 31	0 0
1955	RAOB RAWIN	52 52	50 50	46 46	2 2	57 55	49 49	37 37	0 0	43 43	35 35	35 35	0 0	4 4	4 4	4 4	0 0
1956	RAOB RAWIN									5 5	4 4	4 4	0 0	54 51	47 42	39 36	12 10
1957	RAOB RAWIN	57 48	55 44	51 40	16 13	62 60	61 61	59 59	46 46	21 21	21 21	19 19	9 8				
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WDAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Tooele, Utah (Dugway F.G.)	24103	40° 10'N	113° 00'W	1325	AF	10-15-49	2-15-52				
Tooele, Utah (Dugway F.G.)	24103	40° 10'N	113° 00'W	1329	AF	2-16-52	4-30-53				
Tooele, Utah (Dugway F.G.)	24103	40° 11'N	112° 55'W	1329	AF	5-1-53	7-31-57	S ENE			

WENDOVER, UTAH

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	S 2	S 4	S 4	S 4	S 4	S 4	S 4			
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN	41	5	0	0	18	1	0	0	30	3	2	1	30	1	0	0
1948	RAOB RAWIN	23	1	0	0	4	0	0	0	25 17	5 2	2 0	1 0				
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Wendover, Utah (AFB)	24111	40° 43'N	114° 04'W	1292	AF	1-22-47	9-9-48				

DAHLGREN, VIRGINIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2									
1947	EQUIP. OBS.								R 1	R 1	R 1	R 1	R 1
1948	EQUIP. OBS.	R 10	R 10	R 1	R 1	R 10	R 1	R 10	R 10	R 10	R 10	R 10	R 10
1949	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1
1950	EQUIP. OBS.	R 10	R 1	R 1	R 1	R 10	R 1	R 1	R 1	R 1	R 1	R 10	R 1
1951	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 2	R 10
1952	EQUIP. OBS.	R 1	R 1	R 10						R 1	R 1	R 1	R 2
1953	EQUIP. OBS.	R 2	R 3	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 3	G 3
1955	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 1
1956	EQUIP. OBS.	G 1	G 1	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 1
1957	EQUIP. OBS.	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1
1958	EQUIP. OBS.	G 10	G 10	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1
1959	EQUIP. OBS.	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 10	
1960	EQUIP. OBS.												

REMARKS: 132 and 192 - Jan. thru Mar. 1946. Times of obs. are varied - Aug. 1947 thru Nov. 1959. First GNDIA - Jan. 13, 1954.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN	8	6	4	1	17	7	6	1	12	7	5	0	6	3	2	0
1952	RAOB RAWIN	1	0	0	0	2	0	0	0					6	3	1	0
1953	RAOB RAWIN	9	5	2	0	21	16	10	0	1	1	0	0				
1954	RAOB RAWIN	6	2	0	0	2	0	0	0								
1955	RAOB RAWIN																
1956	RAOB RAWIN									1	0	0	0	1	1	0	0
1957	RAOB RAWIN	9	8	2	0	18	12	5	0	1	1	0	0				
1958	RAOB RAWIN	8	6	0	0	18	10	3	0	1	1	0	0				
1959	RAOB RAWIN									1	0	0	0	2	1	0	0
1960	RAOB RAWIN									1	1	0	0	2	1	0	0

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Dahlgren, Vs. (NAS)	13760	38° 19'N	77° 01'W	30	N	- - -	2- 2-56				
Dahlgren, Vs. (NAS)	13760	38° 19'N	77° 01'W	6	N	2-3-56	11-13-59				

NORFOLK, VIRGINIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2					S 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 4	R 4	R 4	R 4	R 4	R 4	R 4	R 4	R 4	R 4	R 4	R 4
1952	EQUIP. OBS.	R 4	R 4	R 4	R 4	R 4	R 4	R 4	R 4	R 4	R 4	R 4	R 4
1953	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1954	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1955	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1956	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1957	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	6	2	0	0	33	0	0	0	57	0	0	0	40	0	0	0
1947	RAOB RAWIN	48	0	0	0	23	0	0	0	25	1	0	0	20	0	0	0
1948	RAOB RAWIN	6	0	0	0	10	0	0	0								
1949	RAOB RAWIN					8	0	0	0	1	0	0	0				
1950	RAOB RAWIN					7	0	0	0	126	87	47	0	110	58	33	0
1951	RAOB RAWIN	12	1	0	0	70	40	21	0	74	37	10	0	65	39	30	0
1952	RAOB RAWIN	45	18	9	0	83	50	30	0	79	55	38	1	45	35	23	0
1953	RAOB RAWIN	47	22	14	0	47	23	18	0	80	48	28	0	74	30	11	1
1954	RAOB RAWIN	57	27	13	0	68	20	12	0	88	45	17	1	98	48	21	0
1955	RAOB RAWIN	48	21	11	0	63	20	11	0	83	43	16	1	86	42	19	0
1956	RAOB RAWIN	91	54	34	5	123	52	19	0	130	90	44	0	127	97	62	0
1957	RAOB RAWIN	59	34	24	2	118	50	17	0	124	88	36	0	113	82	53	0
1958	RAOB RAWIN	277	187	56	0	263	205	67	0	280	233	76	0	259	193	52	0
1959	RAOB RAWIN	255	178	42	0	262	209	58	0	281	238	77	0	250	187	30	0
1960	RAOB RAWIN	176	164	154	36	178	164	150	24	175	166	156	53	173	160	149	64
		299	275	238	12	343	310	254	16	332	297	261	53	312	281	253	59
1960	RAOB RAWIN	165	155	149	128	177	168	156	106	180	170	150	46	182	178	164	29
		267	241	230	127	309	284	253	105	343	310	252	55	338	326	277	8

REMARKS: First Raob plus SCR 658 - Dec. 1, 1946, GMDI - Jun. 9, 1952,
and GMDIA - Nov. 15, 1955.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Norfolk, Va. (NAS)	13750	36° 56'N	76° 17'W	15	N	2- 1-46	11-15-55				
Norfolk, Va.	13737	36° 53'N	76° 12'W	9	WB	11-15-55	- - -	6 SSE			

SEATTLE, WASHINGTON

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 4	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	G 2	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1955	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1956	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1957	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

REMARKS: First GNDA - Jan. 15, 1954.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	27	4	1	0	66	4	0	0	70	7	0	0	9	0	0	0
1947	RAOB RAWIN	23	3	0	0	84	17	1	0	13	3	1	0	16	1	0	0
1948	RAOB RAWIN					31	0	0	0	1	0	0	0				
1949	RAOB RAWIN	1	0	0	0	29	1	0	0	22	0	0	0				
1950	RAOB RAWIN	11	0	0	0	106	63	38	5	90	59	42	1	48	16	9	0
1951	RAOB RAWIN	54	26	17	0	111	45	17	1	75	44	25	0	32	11	4	0
1952	RAOB RAWIN	30	15	5	0	29	15	9	0	27	9	6	0	38	17	15	3
1953	RAOB RAWIN	42	25	19	0	68	47	33	0	64	44	29	0	67	42	29	0
1954	RAOB RAWIN	96	56	27	0	164	145	111	1	175	162	124	0	160	116	57	0
		78	45	18	0	158	136	104	0	170	159	120	0	124	89	42	0
1955	RAOB RAWIN	147	82	19	0	172	148	105	0	178	158	131	2	136	77	46	1
		133	70	14	0	168	140	95	0	176	157	125	1	124	72	42	1
1956	RAOB RAWIN	105	68	45	0	125	102	79	6	307	213	100	0	260	191	94	1
		98	68	40	0	121	97	69	3	305	218	99	1	258	193	82	0
1957	RAOB RAWIN	283	237	180	45	353	316	238	42	352	338	278	85	154	111	77	7
		279	235	159	31	352	321	229	31	353	338	277	57	294	208	127	0
1958	RAOB RAWIN	160	133	93	10	168	155	103	0	176	170	149	0	162	131	96	1
		300	243	137	11	333	306	156	0	347	329	269	0	309	241	133	0
1959	RAOB RAWIN	176	162	119	5	181	177	162	12	181	169	138	8	166	148	131	33
		342	305	180	3	353	338	291	9	357	332	237	9	316	271	214	16
1960	RAOB RAWIN	175	162	143	30	182	174	160	26	183	169	136	7	154	110	85	6
		324	280	222	12	352	320	251	20	362	333	244	6	290	201	139	0

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Seattle, Wash.	24244	47° 41'N	122° 16'W	19	N	- - -	2- 1-54				
Seattle, Wash.	24244	47° 41'N	122° 16'W	10	N	2- 2-54	6-29-56				
Seattle, Wash.	24233	47° 27'N	122° 18'W	124	WB	6-29-56	- - -	14 SSW			

SPOKANE, WASHINGTON

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3
1956	EQUIP. OBS.	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3
1957	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1958	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

REMARKS: First Raob plus SCR 658 - Jan. 27, 1947 and GNDIA - May 13, 1954.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	91	11	0	0	91	3	0	0	68	3	1	0	57	9	2	0
1947	RAOB RAWIN	40	1	0	0	106	3	0	0	81	4	0	0	19	0	0	0
1948	RAOB RAWIN	23	5	0	0	148	95	33	0	155	108	60	0	125	61	24	0
1949	RAOB RAWIN	94	57	25	0	106	80	48	1	87	58	33	0	12	0	0	0
1950	RAOB RAWIN	65	0	0	0	93	22	4	0	123	38	5	0	91	33	9	0
1951	RAOB RAWIN	86	36	7	0	140	86	52	0	159	112	71	4	137	91	36	0
1952	RAOB RAWIN	154	103	60	3	161	125	85	0	165	133	91	1	161	111	56	1
1953	RAOB RAWIN	132	85	39	0	173	138	86	0	175	157	87	1	158	122	51	1
1954	RAOB RAWIN	143	86	37	0	167	122	82	4	145	110	82	2	92	48	35	0
1955	RAOB RAWIN	67	43	31	0	174	133	84	0	184	146	99	0	140	91	44	1
1956	RAOB RAWIN	137	106	56	2	284	194	97	4	326	260	199	2	279	198	105	6
1957	RAOB RAWIN	200	157	107	41	172	161	136	59	177	167	97	52	151	95	49	1
1958	RAOB RAWIN	162	174	98	32	167	160	128	49	177	168	101	42	144	94	39	0
1959	RAOB RAWIN	171	156	126	0	178	156	122	10	179	175	161	27	170	152	130	40
1960	RAOB RAWIN	176	161	140	53	177	170	161	58	179	176	149	13	182	178	156	6

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS			
						FROM	TO		NAME	FROM	TO	
Spokane, Wash.	24157	47° 37'N	117° 31'W	726	WB	- - -	1-25-51					
Spokane, Wash.	24157	47° 37'N	117° 31'W	722	WB	1-26-51	- - -					

TATOOSH ISLAND, WASHINGTON

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	G 2	G 2	G 2
1955	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

REMARKS: 032 - Sept. and Oct. 1951. First GMDI - Oct. 1, 1954.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	43	2	0	0	65	3	0	0	61	1	1	0	1	0	0	0
1947	RAOB RAWIN	13	0	0	0	32	1	0	0	38	0	0	0	3	0	0	0
1948	RAOB RAWIN	60	10	1	0	146	71	12	0	149	95	27	0	87	27	1	0
1949	RAOB RAWIN	118	38	3	0	140	70	18	0	47	0	0	0	36	0	0	0
1950	RAOB RAWIN	9	0	0	0	104	34	5	0	131	46	16	0	81	26	8	0
1951	RAOB RAWIN	104	40	5	0	153	89	48	5	147	75	52	1	64	31	9	0
1952	RAOB RAWIN	98	53	25	0	116	71	38	1	153	117	77	0	116	67	26	0
1953	RAOB RAWIN	86	27	3	0	142	51	8	0	161	102	39	0	98	29	12	0
1954	RAOB RAWIN	146	84	34	0	164	142	79	2	162	148	112	0	123	86	52	0
1955	RAOB RAWIN	111	55	16	0	168	156	94	0	173	156	109	0	109	74	39	1
1956	RAOB RAWIN	139	109	44	0	158	138	47	0	166	151	73	0	119	97	41	0
1957	RAOB RAWIN	135	97	37	0	172	154	68	0	166	149	119	22	174	155	107	10
1958	RAOB RAWIN	172	164	131	28	176	174	165	44	183	182	175	67	175	156	139	26
1959	RAOB RAWIN	177	168	139	3	175	172	154	0	180	174	156	0	165	147	121	34
1960	RAOB RAWIN	154	135	118	58	180	164	133	34	178	170	138	15	179	173	156	11

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Tatoosh Island, Wash.	24240	48° 23'N	124° 44'W	33	WB	- - -	9-30-54				
Tatoosh Island, Wash.	24240	48° 23'N	124° 44'W	39	WB	10-1-54	10-14-54				
Tatoosh Island, Wash.	24240	48° 23'N	124° 44'W	31	WB	10-15-54	- - -				

HUNTINGTON, WEST VIRGINIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1947	EQUIP. OBS.	S 2	S 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2				
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	45 10	1 0	0 0	0 0	54 24	0 0	0 0	0 0	32 17	0 0	0 0	0 0	8 3	0 0	0 0	0 0
1947	RAOB RAWIN	6	0	0	0	49	4	0	0	66 3	0 0	0 0	0 0	45 1	10 0	2 0	0 0
1948	RAOB RAWIN	53 2	19 0	3 0	0 0	73 4	27 2	15 1	0 0	45 1	6 0	0 0	0 0				
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS			
						FROM	TO		NAME	FROM	TO	
Huntington, W. Va.	93818	36° 25'N	82° 30'W	174	WB	- - -	8-31-48					

GREEN BAY, WISCONSIN

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 1	R 1	R 1	R 1								
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.			S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

REMARKS: 04Z - Jan. thru Apr. 1946. First Raob plus SCR 658 - Mar. 17, 1953 and MBRT 57 - Feb. 2, 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN	26 12	15 3	2 0	0 0	159 69	129 22	40 4	0 0	165 66	124 18	48 6	0 0	170 53	128 21	38 3	0 0
1954	RAOB RAWIN	158 44	103 21	32 7	0 0	169 62	143 21	83 10	1 0	172 50	153 44	113 27	0 0	174 75	145 59	71 24	0 0
1955	RAOB RAWIN	172 54	127 45	42 7	0 0	170 129	135 104	59 25	1 1	166 115	151 105	80 48	0 0	161 65	143 54	81 25	1 0
1956	RAOB RAWIN	175 72	151 61	51 14	1 0	176 85	160 76	83 33	0 0	179 80	163 75	52 25	0 0	175 73	154 63	35 11	0 0
1957	RAOB RAWIN	171 42	134 37	27 9	0 0	166 68	139 54	50 16	0 0	181 82	162 76	90 44	0 0	174 50	157 45	72 12	0 0
1958	RAOB RAWIN	160 91	136 75	49 12	0 0	176 82	157 70	58 24	0 0	192 60	190 59	169 49	16 5	174 35	166 34	149 30	13 2
1959	RAOB RAWIN	177 41	173 39	142 35	11 0	192 71	189 68	163 58	13 2	180 109	177 107	159 96	27 19	171 36	143 26	118 21	9 1
1960	RAOB RAWIN	163 134	149 119	136 107	42 27	181 182	177 160	157 143	65 50	178 178	174 174	167 166	17 17	177 167	166 159	142 129	11 3

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Green Bay, Wisc. (Straubel AP)	14898	44° 29' N	88° 08' W	210	WB	- - -	- - -				

LANDER, WYOMING

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 1	R 1	R 1	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2

REMARKS: WBAN 33 only - Jan. 1946 thru Feb. 1947. 04Z - Jan. thru Mar. 1946. First Raob plus SCR 658 - Oct. 30, 1954 and WBRT 57 - Nov. 30, 1959.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	17	0	0	0	102	15	0	0	90	11	0	0	69	3	1	0
1947	RAOB RAWIN	57	7	2	0	46	4	3	0	49	1	1	0	36	0	0	0
1948	RAOB RAWIN	32	0	0	0	56	9	0	0	43	0	0	0	27	3	0	0
1949	RAOB RAWIN	33	0	0	0	72	0	0	0	111	5	0	0	125	15	0	0
1950	RAOB RAWIN	139	49	24	0	135	64	26	0	142	67	30	0	145	84	30	2
1951	RAOB RAWIN	149	94	42	1	162	110	60	3	160	108	62	6	131	91	56	4
1952	RAOB RAWIN	140	97	61	0	114	84	58	1	136	109	57	0	139	95	28	0
1953	RAOB RAWIN	114	64	15	0	142	115	36	0	170	141	38	0	126	97	26	0
1954	RAOB RAWIN	159	118	57	0	142	112	59	2	144	114	57	3	168	134	57	0
1955	RAOB RAWIN	166	132	43	0	161	125	44	0	177	154	72	0	144	118	55	0
1956	RAOB RAWIN	162	139	38	0	172	151	49	1	175	160	36	0	168	128	36	0
1957	RAOB RAWIN	161	124	28	0	162	146	65	1	156	145	111	2	175	157	61	0
1958	RAOB RAWIN	176	160	59	2	170	156	52	0	166	152	131	6	159	136	116	3
1959	RAOB RAWIN	169	160	57	13	173	166	77	3	170	156	138	11	130	88	65	10
1960	RAOB RAWIN	172	159	141	72	173	172	166	92	183	175	167	72	176	162	134	11

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Lander, Wyo.	24021	42° 48'N	108° 43'W	1698	WB	- - -	10-29-54				
Lander, Wyo.	24021	42° 48'N	108° 43'W	1696	WB	10-30-54	- - -				

List of Abbreviations and Codes Used in this Section

Equipment - Principal type of equipment used in radiosonde or rawinsonde observations during the month.

- R Radiosonde equipment only. Original radiosonde observation form (WBAN 31A, B, and C) available with or without wind data. Wind data, if reported, are observed by theodolite and are defined as rabal. In some cases the "R" denotes wind data available, but type of equipment is unknown.
- S Radio Direction Finding equipment (manual tracking such as the SCR-658).
- S5 Radiosonde equipment and SCR-584 (radar tracking equipment).
- G Radio Direction Finding equipment (automatic tracking) such as GMD-1 and 2 and the later modified models of each. Also, printed computer data raobs where noted in footnotes.
- W Radio-theodolite equipment (automatic tracking) WBRT 57 and successors.
- X Meteox equipment, which has operating characteristics and limitations similar to the SCR-658.
- U Unknown

Observations - Number of regularly scheduled observations per day.

- M Wind data and equipment known and available, but hours of radiosonde observation unknown and raob forms not available.
- # Less than ten observations for the month.

Charts (Source document on file at the National Weather Records Center) - Presented instead of "Observations" for Canadian operated stations only.

- O Original records on file.
- F Microfilm of original records on file.

Note also that radiation correction footnotes refer to the period of operation by the Meteorological Service of Canada only.

Period of Record - Indicates "from the beginning" or "to the end" (whichever applies) of the period of record covered by this documentation.

Service - Official meteorological service that operated a station.

- A U. S. Army
- AF U. S. Air Force
- N U. S. Navy
- WB U. S. Weather Bureau
- C Meteorological Service of Canada

ADAK, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2			U 29	U 2	U 2	U 2			
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 4	S 2	S 2	S 2	S 2	S 2	S 4	S 2	
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2				S 2	S 2	S 4	S 4
1951	EQUIP. OBS.	S 4	S 2	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1952	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1953	EQUIP. OBS.	S 2	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1954	EQUIP. OBS.	G 4	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1955	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

REMARKS: 012 and 132 - Jan. thru Mar. 1946. 022 and 142 - Jun. thru Aug. 1946. 042 and 162 - Sept. 1946, Feb. thru Dec. 1947. 022, 082, 142, and 202 - Dec. 1951. No WBAN 20's - Mar. thru Dec. 1951. First GMDIA about Jun. 16, 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	31 0	0 0	0 0	0 0	1 0	0 0	0 0	0 0	9 0	0 0	0 0	0 0				
1947	RAOB RAWIN	8 0	0 0	0 0	0 0	15 9	0 0	0 0	0 2	10 0	0 0	0 0	0 0	3 0	0 0	0 0	0 0
1948	RAOB RAWIN	10 6	0 0	0 0	0 0	65 50	7 1	1 0	0 14	34 0	0 0	0 0	0 0	38 12	2 1	1 0	0 0
1949	RAOB RAWIN	62 21	4 0	1 0	0 0	35 1	0 0	0 0	0 50	50 1	0 0	0 0	0 0	40 17	2 1	0 0	0 0
1950	RAOB RAWIN	34 15	19 7	14 5	2 1	56 13	26 3	15 2	11 0	11 4	3 0	1 0	0 0	14 0	4 2	0 0	0 0
1951	RAOB RAWIN	25 0	11 0	5 0	0 0	56 20	30 6	15 2	0 20	137 4	77 1	39 0	2 2	81 2	34 0	5 0	0 0
1952	RAOB RAWIN	67 0	32 0	10 0	2 0	91 2	46 1	18 0	0 0	91 0	44 0	7 0	0 0	30 1	12 1	4 0	0 0
1953	RAOB RAWIN	46 1	23 0	12 0	0 0	70 9	42 4	25 1	2 1	118 0	91 0	71 0	0 0	78 0	52 0	37 0	2 0
1954	RAOB RAWIN	147 5	106 3	79 1	0 0	79 0	50 0	32 0	3 0	145 0	114 0	89 3	3 2	151 2	107 94	74 43	8 0
1955	RAOB RAWIN	136 23	85 5	62 2	1 0	108 84	75 19	49 2	2 0	112 79	73 27	47 7	0 0	116 94	82 72	44 35	3 1
1956	RAOB RAWIN	129 107	95 80	37 28	0 0	145 129	116 99	69 52	4 2	161 122	126 106	66 45	0 0	144 110	119 94	72 43	0 0
1957	RAOB RAWIN	147 109	117 90	90 58	0 0	166 130	154 121	92 69	0 0	182 167	165 149	98 88	43 26	173 99	161 100	146 98	57 28
1958	RAOB RAWIN	164 98	158 96	144 100	90 59	164 119	154 127	94 79	147 78	134 77	134 77	102 62	57 33	148 91	138 92	124 89	64 37
1959	RAOB RAWIN	161 132	157 135	144 130	87 62	169 139	156 136	143 61	72 127	164 117	148 117	115 102	49 32	173 150	155 141	139 128	67 44
1960	RAOB RAWIN	165 129	150 132	112 93	34 21	160 127	150 123	116 100	23 12	118 73	105 76	102 75	27 20	157 95	147 110	126 108	84 67

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Adak, Alaska	25701	51° 53'N	176° 31'W	4	AF	10-15-45	6-24-48				
Adak, Alaska	25701	51° 53'N	176° 39'W	4	AF	6-25-48	6-25-50	6 W			
Adak, Alaska	25704	51° 53'N	176° 39'W	20	N	9- 1-50	6-15-53				
Adak, Alaska	25704	51° 53'N	176° 39'W	8	N	6-16-53	- - -				

AMCHITKA, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1950	EQUIP. OBS.	S 2	R 2	R 2	R 2	R 2					R 2	R 2	
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	13 7	1 0	0 0	0 0	3 0	0 0	0 0	0 0	12 0	4 0	0 0	0 0	3 2	0 0	0 0	0 0
1947	RAOB RAWIN	0 0	0 0	0 0	0 0	4 2	0 0	0 0	0 0	4 1	0 0	0 0	0 0	2 1	0 0	0 0	0 0
1948	RAOB RAWIN	29 13	0 0	0 0	0 0	30 18	0 0	0 0	0 0	43 7	0 0	0 0	0 0	52 8	8 2	0 0	0 0
1949	RAOB RAWIN	22 3	0 0	0 0	0 0	11 4	1 0	0 0	1 0	16 1	0 0	0 0	0 0	9 2	1 0	0 0	0 0
1950	RAOB RAWIN	41 11	4 2	0 0	0 0	27 0	5 0	4 0	1 0					5 0	5 0	2 0	0 0
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: Raob plus SCR 584 prior to Sept. 26, 1945. 01Z and 13Z - Jan. thru May 1946. 04Z and 16Z - Jun. thru Nov. 1946, and Jan. 1947 thru Mar. 1948. Raob plus SCR 658 ended Feb. 14, 1950.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Amchitka, Alaska	45702	51° 24'N	179° 16'E	46	AF	1-12-48	1-4-48				
Amchitka, Alaska	45702	51° 23'N	179° 15'E	68	AF	11-10-48	11-21-50	1 SW			

ANCHORAGE, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2

REMARKS: 042 and 162 - Jan. 1946 thru Mar. 1948. First Raob plus
SCR 658 - Feb. 19, 1946 and Feb. 22, 1949, WBRT 57 - Jul. 1, 1959.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	60	0	0	0	104	10	0	0	63	2	0	0	22	0	0	0
	RAOB RAWIN	0	0	0	0	3	0	0	0	44	1	0	0	5	0	0	0
1947	RAOB RAWIN	9	0	0	0	86	0	0	0	98	0	0	0	17	0	0	0
	RAOB RAWIN	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0
1948	RAOB RAWIN	24	0	0	0	132	62	6	0	135	12	0	0	69	0	0	0
	RAOB RAWIN	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1949	RAOB RAWIN	41	5	0	0	11	0	0	0	33	0	0	0	55	0	0	0
	RAOB RAWIN	0	0	0	0	6	0	0	0	19	0	0	0	28	0	0	0
1950	RAOB RAWIN	90	3	0	0	127	67	28	0	117	67	16	2	96	7	0	0
	RAOB RAWIN	46	3	0	0	65	30	13	0	34	6	1	0	15	0	0	0
1951	RAOB RAWIN	77	14	1	0	132	78	50	3	157	112	71	1	123	10	0	0
	RAOB RAWIN	15	0	0	0	25	3	0	0	30	4	2	0	39	0	0	0
1952	RAOB RAWIN	136	35	25	0	165	141	89	0	167	142	89	0	157	85	7	0
	RAOB RAWIN	33	9	4	0	65	40	16	0	36	18	8	0	82	30	1	0
1953	RAOB RAWIN	163	104	26	0	162	137	108	3	174	150	103	0	148	108	50	1
	RAOB RAWIN	81	38	8	0	102	79	56	2	123	101	63	0	102	59	21	0
1954	RAOB RAWIN	160	128	63	2	167	140	96	2	142	107	72	0	130	94	30	0
	RAOB RAWIN	68	44	21	0	118	92	57	1	75	51	29	0	71	49	12	0
1955	RAOB RAWIN	151	118	39	0	155	127	22	0	158	119	14	0	130	102	49	0
	RAOB RAWIN	70	56	14	0	131	109	14	0	107	85	13	0	64	42	2	0
1956	RAOB RAWIN	103	67	16	0	166	157	57	0	167	148	66	0	176	165	130	34
	RAOB RAWIN	57	44	8	0	151	145	52	0	125	112	60	0	113	81	42	3
1957	RAOB RAWIN	168	143	38	0	148	131	45	0	148	119	26	0	168	135	50	0
	RAOB RAWIN	57	39	7	0	123	110	31	0	104	82	16	0	108	79	14	0
1958	RAOB RAWIN	172	160	100	0	173	171	122	1	183	178	165	1	182	176	156	8
	RAOB RAWIN	111	101	44	0	129	125	80	1	131	126	113	0	118	114	92	2
1959	RAOB RAWIN	175	172	162	17	179	175	160	32	171	161	147	48	171	154	136	70
	RAOB RAWIN	112	103	93	5	119	117	106	23	171	160	145	45	167	151	125	53
1960	RAOB RAWIN	174	168	149	87	178	173	161	52	177	174	159	15	183	181	168	19
	RAOB RAWIN	163	158	138	58	177	167	154	46	174	172	154	13	179	176	161	8

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Anchorage, Alaska (Elmendorf Fld.)	26401	61° 15'N	149° 48'W	60	AF	10-11-45	5-21-46				
Anchorage, Alaska (Merrill Fld.)	26409	61° 13'N	149° 50'W	51	WB	5-22-46	7-14-52	3 SW			
Anchorage, Alaska (Merrill Fld.)	26409	61° 13'N	149° 50'W	42	WB	7-15-52	10-29-53				
Anchorage, Alaska (Int'l. AF)	26409	61° 10'N	149° 59'W	32	WB	10-30-53	2-3-54	9 WSW			
Anchorage, Alaska (Int'l. AF)	26409	61° 10'N	149° 59'W	30	WB	12-4-54	6-30-59				
Anchorage, Alaska (Int'l. AF)	26409	61° 10'N	149° 59'W	29	WB	7-1-59	- - -				

ANNETTE, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1947	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1948	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1949	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1950	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1951	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1952	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1953	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1954	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1955	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1956	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1957	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1958	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1959	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1960	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	RAOB RAWIN	0	0	0	0	0	0	0	0	11	0	0	0	13	0	0	0
1948	RAOB RAWIN	6	0	0	0	36	12	2	0	64	28	6	0	25	0	0	0
1949	RAOB RAWIN	59	0	0	0	92	52	10	0	36	1	0	0	14	0	0	0
1950	RAOB RAWIN	29	1	0	0	99	32	6	0	134	64	15	1	88	18	0	0
1951	RAOB RAWIN	61	5	0	0	117	70	36	0	164	132	92	5	106	20	5	0
1952	RAOB RAWIN	117	69	39	3	173	149	106	2	166	136	91	2	155	110	48	0
1953	RAOB RAWIN	147	114	59	0	164	150	85	0	158	131	69	1	154	112	47	1
1954	RAOB RAWIN	153	118	45	0	160	132	84	0	164	136	68	0	151	108	33	0
1955	RAOB RAWIN	48	27	7	0	166	133	17	0	158	134	26	0	144	117	35	0
1956	RAOB RAWIN	166	143	44	0	162	141	66	0	153	134	48	0	132	109	38	0
1957	RAOB RAWIN	163	138	50	0	175	153	80	0	171	140	78	15	118	100	59	8
1958	RAOB RAWIN	139	117	87	12	159	154	121	8	176	167	160	19	165	154	133	27
1959	RAOB RAWIN	164	142	125	19	173	165	158	19	165	154	145	64	135	102	78	9
1960	RAOB RAWIN	154	141	127	61	175	163	147	58	174	162	135	10	164	143	124	9

REMARKS: 04Z and 16Z - Jul. 1947 thru Mar. 1948. First WBRT 57 - Feb. 25, 1960.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Annette Island, Alaska	25301	55° 02'N	131° 34'W	35	AF	4-14-44	7-29-47	22 SSE	Ketchikan, Alaska	9-20-40	7-28-47
Annette Island, Alaska	25308	55° 02'N	131° 34'W	35	WB	7-30-47	5-31-50				
Annette, Alaska (WB0)	25308	55° 02'N	131° 34'W	35	WB	6- 1-50	6-30-51				
Annette, Alaska (WB0)	25308	55° 02'N	131° 34'W	37	WB	7- 1-51	- - -				

ATTU, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 1#						R 1#	R 2	R 2	R 2	R 1#	
1947	EQUIP. OBS.		R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	
1948	EQUIP. OBS.	R 2	R 1	R 1	R 1	R 1	R 1						
1949	EQUIP. OBS.				R 2		R 4			R 2	R 2	R 2	
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 4	
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.							R 2	R 2	R 2	R 2	R 2	
1955	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	G 2	G 2	G 2	G 2	G 2	G 2	
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2						
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 03Z - Jan., Jul. and Nov. 1946, and Feb. thru Jun. 1948.
02Z and 14Z - Mar. thru Dec. 1947. Raob summaries available Jul. thru Oct. 1948. First GMDIA - Jun. 14, 1955.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	1 0	0 0	0 0	0 0					1 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1947	RAOB RAWIN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	7 0	1 0	0 0	0 0	6 0	0 0	0 0	0 0
1948	RAOB RAWIN	4 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0								
1949	RAOB RAWIN									7 0	0 0	0 0	0 0	14 0	0 0	0 0	0 0
1950	RAOB RAWIN	4 0	0 0	0 0	0 0	17 0	0 0	0 0	0 0	31 0	0 0	0 0	0 0	74 0	52 0	24 0	0 0
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN									63 0	49 0	19 0	0 0	102 0	74 0	46 0	0 0
1955	RAOB RAWIN	61 0	42 0	17 0	0 0	70 0	44 0	29 0	0 0	111 3	83 1	61 0	0 0	119 7	85 0	55 0	1 0
1956	RAOB RAWIN	85 13	61 0	35 0	0 4	146 0	118 0	70 0	2 0	134 7	100 0	61 0	0 0	108 48	71 28	41 12	1 0
1957	RAOB RAWIN	86 79	44 39	20 14	1 0	81 71	39 30	16 9	0 0	101 94	63 59	26 22	8 1	133 101	75 60	42 32	1 0
1958	RAOB RAWIN	147 94	120 80	92 68	15 3	124 118	108 103	81 68	15 11								
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Attu, Alaska	45709	52° 48'N	173° 10'E	27	N	9-4-43	2-9-57				
Attu, Alaska	45709	52° 48'N	173° 10'E	28	N	2-10-57	6-24-58		Also see: Shemya, Alaska	- - -	- - -

BARROW, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1947	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1948	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1949	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1950	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1951	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1952	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1953	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1954	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1955	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1956	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1957	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1958	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1959	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	W	W	W
		2	2	2	2	2	2	2	2	2	2	2	2
1960	EQUIP. OBS.	W	W	W	W	W	W	W	W	W	W	W	W
		2	2	2	2	2	2	2	2	2	2	2	2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	14	0	0	0	52	0	0	0	72	1	0	0	13	0	0	0
		13	0	0	0	45	0	0	0	51	1	0	0	4	0	0	0
1947	RAOB RAWIN	20	0	0	0	65	1	0	0	16	0	0	0	0	0	0	0
		2	0	0	0	36	0	0	0	11	0	0	0	0	0	0	0
1948	RAOB RAWIN	17	2	0	0	99	45	6	0	135	82	23	0	58	3	0	0
		6	0	0	0	41	22	4	0	60	32	8	0	36	2	0	0
1949	RAOB RAWIN	19	2	0	0	44	0	0	0	37	0	0	0	13	0	0	0
		6	1	0	0	31	0	0	0	29	0	0	0	11	0	0	0
1950	RAOB RAWIN	99	12	5	0	141	82	29	4	131	77	18	1	65	6	0	0
		72	11	5	0	115	65	24	3	102	63	13	0	53	5	0	0
1951	RAOB RAWIN	129	25	1	0	158	114	60	2	169	147	107	3	144	37	0	0
		97	17	1	0	139	91	41	1	114	89	54	0	113	27	0	0
1952	RAOB RAWIN	136	57	21	0	176	151	121	6	171	148	113	1	155	85	20	0
		112	43	19	0	154	132	96	2	138	120	81	0	122	67	17	0
1953	RAOB RAWIN	141	86	21	0	159	142	77	1	156	123	57	0	135	69	14	0
		103	56	13	0	108	90	44	0	115	86	35	0	107	46	4	0
1954	RAOB RAWIN	155	93	14	0	173	119	23	0	170	141	28	0	168	127	17	0
		90	43	4	0	147	96	14	0	140	100	12	0	133	94	8	0
1955	RAOB RAWIN	157	104	7	0	164	142	0	0	168	152	16	0	135	80	16	0
		143	88	2	0	155	133	1	0	136	112	13	0	76	54	6	0
1956	RAOB RAWIN	126	68	8	0	178	154	68	0	165	144	52	0	178	172	142	23
		48	16	0	0	148	126	53	0	96	80	29	0	117	75	7	0
1957	RAOB RAWIN	158	116	28	0	173	154	56	0	172	165	132	30	161	140	74	9
		62	43	5	0	106	97	32	0	35	33	25	4	105	66	19	0
1958	RAOB RAWIN	171	148	75	7	176	163	124	10	181	179	169	25	176	172	154	20
		130	97	44	3	121	111	81	3	116	112	105	7	121	107	85	5
1959	RAOB RAWIN	176	165	133	6	177	171	155	16	175	163	147	74	166	128	89	18
		98	68	33	0	144	138	120	14	127	123	108	47	110	81	47	6
1960	RAOB RAWIN	162	140	113	52	178	164	152	46	182	171	164	20	172	165	155	22
		148	127	99	37	178	166	149	45	182	173	161	16	171	164	151	3

REMARKS: 04Z and 16Z - Jan. 1946 thru Mar. 1948. First WBRT - 57 - Nov. 6, 1959.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Barrow, Alaska	27502	71° 18' N	156° 47' W	10	WB	9-15-40	5-31-50				
Barrow, Alaska (WB0)	27502	71° 18' N	156° 47' W	8	WB	6- 1-50	- - -				

BARTER ISLAND, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.			S 10	S 4	S 4	S 4	S 4	S 4	G 4	G 4	G 2	G 2
1954	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1955	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN	0	0	0	0	58	27	16	0	78	48	23	0	77	28	9	0
1954	RAOB RAWIN	115	59	25	3	166	148	116	16	151	134	120	31	127	89	66	0
1955	RAOB RAWIN	152	121	78	0	170	159	132	11	183	178	160	21	158	111	80	4
1956	RAOB RAWIN	161	132	97	15	181	180	171	51	177	168	154	25	156	109	86	2
1957	RAOB RAWIN	137	109	80	1	168	152	130	0	173	155	138	47	162	131	89	5
1958	RAOB RAWIN	169	147	113	4	166	149	119	17	172	155	116	17	172	163	137	4
1959	RAOB RAWIN	165	142	104	4	165	146	117	11	171	151	110	13	172	161	137	4
1960	RAOB RAWIN	148	126	96	36	177	172	168	154	176	171	155	111	163	153	137	43

REMARKS: 04Z - Mar. 1953. First Raob plus SCR 658 - Mar. 27, 1953.
GNDIA - Aug. 22, 1953 and WBRT 57 - Dec. 11, 1959.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Barter Island, Alaska (Barter Is. AF Aux.Fld.)	27401	70° 07'N	143° 40'W	6	AF	3-27-53	12-4-56				
Barter Island, Alaska (WBAS)	27401	70° 07'N	143° 40'W	6	WB	22- 5-56	12-9-56				
Barter Island, Alaska (WBAS)	27401	70° 07'N	143° 40'W	15	WB	12-10-56	10-5-57				
Barter Island, Alaska (WBAS)	27401	70° 07'N	143° 43'W	15	WB	10- 6-57	11-6-57	1 W			
Barter Island, Alaska (WBAS)	27401	70° 08'N	143° 38'W	15	WB	11- 7-57	- -	2 ENE			

BETHEL, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 1
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1955	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	71	3	0	0	140	34	0	0	131	10	0	0	64	1	0	0
1947	RAOB RAWIN	32	0	0	0	113	7	0	0	60	1	0	0	12	0	0	0
1948	RAOB RAWIN	15	0	0	0	111	62	19	0	115	45	27	0	47	9	1	0
1949	RAOB RAWIN	57	12	5	0	72	17	7	0	70	9	0	0	96	10	0	0
1950	RAOB RAWIN	113	32	5	0	138	74	19	0	150	76	28	0	109	33	2	0
1951	RAOB RAWIN	120	18	4	0	154	124	58	1	136	108	56	3	129	36	4	0
1952	RAOB RAWIN	143	88	52	2	163	142	110	7	155	142	113	11	162	99	63	1
1953	RAOB RAWIN	157	123	80	1	175	165	151	8	174	162	146	0	163	131	58	0
1954	RAOB RAWIN	155	117	76	0	179	165	114	0	165	141	107	0	142	120	72	0
1955	RAOB RAWIN	142	108	41	0	173	166	98	3	177	166	101	3	105	81	38	0
1956	RAOB RAWIN	150	121	35	0	174	163	67	0	170	156	111	0	130	89	21	0
1957	RAOB RAWIN	148	80	64	13	162	154	56	0	127	119	84	0	70	44	8	0
1958	RAOB RAWIN	171	167	105	30	180	169	118	0	79	77	65	0	91	85	65	2
1959	RAOB RAWIN	165	150	126	8	178	168	147	1	177	166	147	7	175	163	143	34
1960	RAOB RAWIN	164	145	128	39	178	168	151	16	179	171	144	7	179	164	146	9

REMARKS: 04Z and 16Z - Jan. 1946 thru Mar. 1948; 16Z - Dec. 1946.
First Raob plus SCR 658 - Jul. 4, 1955 and WBRT 57 - Sept. 13, 1960.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		OIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Bethel, Alaska (AP)	26615	60° 47'N	161° 41'W	8	WB	10-19-40	10-31-54				
Bethel, Alaska (AP)	26615	60° 47'N	161° 43'W	4	WB	11- 1-56	11- 6-56	1 W			
Bethel, Alaska (AP)	26615	60° 47'N	161° 43'W	11	WB	11- 7-56	12-31-56				
Bethel, Alaska (AP)	26615	60° 47'N	161° 43'W	4	WB	1- 1-57	11-10-58				
Bethel, Alaska (AP)	26615	60° 47'N	161° 48'W	39	WB	11-11-58	8-26-60	3 W			
Bethel, Alaska (WBAS)	26615	60° 47'N	161° 48'W	39	WB	8-27-60	- - -				

BIG DELTA, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.											R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2		R 20	C 10	C 20	C 20	C 10	C 10
1954	EQUIP. OBS.	C 10	C 20							C 10	C 10	C 10	C 10
1955	EQUIP. OBS.	C 1	C 1	C 10									
1956	EQUIP. OBS.												
1957	EQUIP. OBS.					G 1	G 1	G 1	G 1	C 10	C 10	C 1	C 1
1958	EQUIP. OBS.	C 10											
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 182 and 222 - May 1953. 002 and 202 - Aug. 1953. 002 - Sept. 1953, Jan. 1957 thru Jan. 1958. 002 and 192 - Oct. 1953. 012 and 202 - Nov. 1953. 202-Dec. 1953, Oct. 1954 thru Mar. 1955. 212 - Jan. 1954. 182 and 212 - Feb. 1954. First Raob plus SCR 658 - Jun. 7, 1951. First GMDIA - Sept. 10, 1950, last GMDIA - Mar. 10, 1955. First GMDIA - Jul. 14, 1957 and last GMDIA - Jan. 9, 1958.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN													2	0	0	0
1951	RAOB RAWIN	6	0	0	0	50 12	24 8	13 5	4 0	144 20	102 1	68 0	24 0	17 1	2 0	0 0	0 0
1952	RAOB RAWIN	37 3	15 1	3 0	0 0	113 3	84 0	60 0	22 0	76 25	43 13	22 4	1 0	58 23	39 13	15 0	0 0
1953	RAOB RAWIN	64 1	36 0	24 0	1 0	44 0	35 0	32 0	2 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1954	RAOB RAWIN	0 0	0 0	0 0	0 0									0 0	0 0	0 0	0 0
1955	RAOB RAWIN	0 0	0 0	0 0	0 0												
1956	RAOB RAWIN																
1957	RAOB RAWIN					17 17	14 14	13 12	5 4	88 85	87 83	81 77	45 38	20 19	20 18	16 13	5 3
1958	RAOB RAWIN	7 7	7 7	6 6	2 2												
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Big Delta, Alaska (AFB)	26406	63° 59'N	145° 43'W	386	AF	11-11-50	2-28-51				
Big Delta, Alaska (AFB)	26406	63° 59'N	145° 43'W	392	AF	3- 1-51	3-10-55				
Big Delta, Alaska (Fort Greely)	26406	63° 59'N	145° 43'W	392	AF	6-14-57	1- 9-58				

COLD BAY, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S 2	S 2	S 1	S 1	S 1	S 1	S 1	S 1	S 2	S 2	S 2	
1947	EQUIP. OBS.	M M	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S
1948	EQUIP. OBS.	S 2	S 2	S 2	S M	S 2	S 2	S 2	S 2	S 2	S 4	S 2	
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 4		S 2	S 2	S 2	S 2	
1950	EQUIP. OBS.	S 2	R 2	R 2	R 2	R 2	S 2	S 2	S 2	S 2	S 8	S 4	
1951	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	
1952	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	
1953	EQUIP. OBS.		G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 2		G 2	
1954	EQUIP. OBS.	G 2	G 2										
1955	EQUIP. OBS.								S 2	S 2	S 2	S 2	S
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S
1960	EQUIP. OBS.	S 2	S 2	S 2	S W	S W	S W	S W	S W	S W	S W	S W	S

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	8 2	0 0	0 0	0 0	32 8	1 0	0 0	0 0	28 14	0 0	0 0	0 0	13 6	0 0	0 0	0 0
1947	RAOB RAWIN	3 2	0 0	0 0	0 0	28 20	0 0	0 0	0 0	4 2	0 0	0 0	0 0	1 0	0 0	0 0	0 0
1948	RAOB RAWIN	3 3	0 0	0 0	0 0	24 12	0 0	0 0	0 0	30 11	2 0	0 0	0 0	70 29	3 0	2 0	0 0
1949	RAOB RAWIN	59 39	2 2	0 0	0 0	86 60	6 2	0 0	0 0	11 5	0 0	0 0	0 0	22 7	8 1	1 0	0 0
1950	RAOB RAWIN	77 5	18 3	2 1	0 0	72 1	11 0	6 0	1 0	57 2	25 0	12 0	0 0	61 4	16 1	3 1	0 0
1951	RAOB RAWIN	60 3	27 0	11 0	3 0	93 5	48 0	43 0	18 0	86 0	35 0	32 0	9 0	82 2	22 0	5 0	1 0
1952	RAOB RAWIN	76 0	42 0	23 0	5 0	131 46	73 20	54 7	18 2	151 68	101 44	72 29	13 1	64 30	32 16	12 7	0 0
1953	RAOB RAWIN	6 6	5 5	0 0	0 0	119 115	82 82	55 52	3 2	96 85	55 53	35 33	2 2	56 54	19 18	6 4	0 0
1954	RAOB RAWIN	94 71	64 60	28 26	0 0												
1955	RAOB RAWIN									65 18	50 15	23 4	0 0	121 44	87 29	52 13	0 0
1956	RAOB RAWIN	142 36	98 25	39 3	1 0	173 111	160 103	88 58	0 0	169 73	153 69	100 47	0 0	176 54	159 33	99 9	1 0
1957	RAOB RAWIN	167 68	142 56	56 16	0 0	174 123	156 111	52 31	0 0	179 146	170 138	108 92	0 0	177 70	171 68	114 40	0 0
1958	RAOB RAWIN	172 117	167 112	108 59	0 0	174 117	154 105	106 66	0 1	174 92	170 89	136 69	3 0	180 78	172 75	151 62	19 3
1959	RAOB RAWIN	173 109	164 103	146 88	12 5	174 126	168 123	150 109	5 0	161 80	157 78	147 75	44 22	157 85	142 76	125 59	21 4
1960	RAOB RAWIN	155 77	138 66	119 61	53 20	168 157	159 149	150 142	83 70	167 157	161 151	149 141	63 52	168 152	152 139	135 119	47 21

REMARKS: 0130Z and 1330Z - Jan. and Feb. 1946. 0130Z - Mar. thru Jul. 1946. 03Z - Aug. 1946. First Raob plus SCR 658 - May 24, 1950; last Raob plus SCR 658 - Dec. 6, 1952. First Raob plus SCR 658 - Aug. 20, 1955; first WBRT - 57 - Apr. 10, 1960.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Cold Bay, Alaska (Thornbrough AFB)	25603	55° 12'N	162° 43'W	33	AF	11-19-45	8-12-49				
Cold Bay, Alaska (Thornbrough AFB)	25603	55° 12'N	162° 43'W	28	AF	8-13-49	5-23-50				
Cold Bay, Alaska (Thornbrough AFB)	25603	55° 12'N	162° 43'W	25	AF	5-24-50	9-30-50				
Cold Bay, Alaska (Thornbrough AFB)	25603	55° 12'N	162° 43'W	29	AF	10- 1-50	3-25-53				
Cold Bay, Alaska (Thornbrough AFB)	25603	55° 12'N	162° 43'W	24	AF	3-28-53	5-30-53				
Cold Bay, Alaska (Thornbrough AFB)	25603	55° 12'N	162° 43'W	26	AF	5-31-53	2-28-54				
Cold Bay, Alaska (WBAS)	25624	55° 12'N	162° 43'W	27	WB	8-20-55	- - -				

DUTCH HARBOR, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.											R 2	
1951	EQUIP. OBS.	R 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	
1952	EQUIP. OBS.	S 4	S 4	S 4	S 4		R 4	R 4	R 4	R 4	R 4	R 4	
1953	EQUIP. OBS.	R 1	R 2	R 2	R 2	R 4	R 4	R 4	R 4	R 2	R 2	R 2	
1954	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2						
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: Firec Raob plus SCR 658 - Jan. 28, 1951.
032 - Dec. 1952 and Jan. 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN													3 0	1 0	0 0	0 0
1951	RAOB RAWIN	22 4	5 0	4 0	0 0	58 13	18 4	13 2	3 0	85 23	40 5	27 4	10 1	51 3	12 0	3 0	0 0
1952	RAOB RAWIN	32 7	13 1	10 0	1 0	28 1	19 0	12 0	3 0	1 0	0 0	0 0	0 0	10 2	2 0	0 0	0 0
1953	RAOB RAWIN	37 0	20 0	9 0	0 0	46 0	27 0	10 0	0 0	73 0	53 0	42 0	0 0	57 0	32 0	13 0	0 0
1954	RAOB RAWIN	20 0	11 0	4 0	0 0	44 0	27 0	11 0	0 0	45 0	41 0	30 0	0 0				
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS			
						FROM	TO		NAME	FROM	TO	
Dutch Harbor, Alaska	25620	53° 54'N	166° 32'W	12	AF	12-11-50	5-23-52					
Dutch Harbor, Alaska (Also known as Amakmak Island)	25611	53° 54'N	166° 32'W	7	N	6-24-52	7-24-54					

FAIRBANKS, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1947	EQUIP. OBS.	1	2	2	2	2	2	2	2	2	2	2	2
1948	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1949	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1950	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1951	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1952	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1953	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1954	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1955	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1956	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1957	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1958	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1959	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1960	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	22	0	0	0	86	0	0	0	83	0	0	0	24	0	0	0
		8	0	0	0	52	0	0	0	43	0	0	0	2	0	0	0
1947	RAOB RAWIN	30	1	0	0	68	5	0	0	20	0	0	0	0	0	0	0
		1	0	0	0	3	0	0	0	3	0	0	0	0	0	0	0
1948	RAOB RAWIN	9	0	0	0	125	77	6	0	144	90	3	0	57	0	0	0
		2	0	0	0	22	0	0	0	20	1	0	0	34	0	0	0
1949	RAOB RAWIN	65	17	3	0	58	19	11	0	74	3	2	0	58	2	0	0
		14	4	0	0	16	4	1	0	25	0	0	0	14	1	0	0
1950	RAOB RAWIN	80	6	3	0	140	82	25	2	125	40	10	0	84	13	0	0
		43	3	1	0	74	29	6	0	82	16	3	0	43	4	0	0
1951	RAOB RAWIN	100	9	1	0	148	127	96	1	158	105	62	2	142	21	2	0
		56	3	1	0	95	54	34	1	97	50	27	0	103	12	0	0
1952	RAOB RAWIN	141	81	33	1	173	164	108	1	172	155	100	2	172	116	30	0
		74	30	13	0	143	125	62	0	147	126	57	1	145	96	23	0
1953	RAOB RAWIN	165	114	45	2	170	159	114	1	172	152	88	0	175	143	55	0
		125	83	27	0	139	123	79	0	135	115	56	0	141	100	31	0
1954	RAOB RAWIN	168	109	30	0	157	140	78	0	164	135	73	0	160	129	47	0
		67	36	11	0	114	94	43	0	85	72	38	0	88	60	20	0
1955	RAOB RAWIN	153	98	31	0	170	159	45	0	176	155	18	0	134	95	27	0
		76	46	11	0	126	109	20	0	95	82	9	0	72	52	10	0
1956	RAOB RAWIN	152	111	31	0	175	168	76	0	172	161	58	0	159	112	28	0
		72	45	9	0	120	96	24	0	98	83	27	0	81	39	2	0
1957	RAOB RAWIN	146	108	26	0	162	143	52	0	178	162	111	19	132	107	61	7
		51	35	2	0	115	90	19	0	86	72	45	2	48	36	11	1
1958	RAOB RAWIN	160	137	86	9	167	136	80	4	172	165	146	6	155	140	126	20
		72	56	27	2	111	92	42	0	104	93	75	1	68	45	32	1
1959	RAOB RAWIN	174	163	131	12	176	158	104	0	179	171	120	38	178	167	131	19
		75	60	41	0	111	94	51	0	145	137	94	31	105	87	38	2
1960	RAOB RAWIN	161	151	132	35	177	165	158	27	179	163	144	13	179	170	151	12
		129	115	92	25	174	159	149	27	175	159	140	7	168	159	135	6

REMARKS: 04Z and 16Z - Jan. 1946 thru Mar. 1948; 16Z - Jan. 1947.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Fairbanks, Alaska (AP)	26411	64° 50'N	147° 43'W	134	WB	9-17-36	8-22-51				
Fairbanks, Alaska (AP)	26411	64° 49'N	147° 52'W	134	WB	8-23-51	8-31-51	5 WSW			
Fairbanks, Alaska (AP)	26411	64° 49'N	147° 52'W	139	WB	9-1-51	1-12-52				
Fairbanks, Alaska (AP)	26411	64° 49'N	147° 52'W	135	WB	1-13-52	- - -				

GAMBELL, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 04Z and 16Z - Jan. 1946 thru Mar. 1948.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	38	1	0	0	117	12	0	0	148	14	0	0	63	2	0	0
1947	RAOB RAWIN	45	2	0	0	149	21	0	0	109	1	0	0	14	0	0	0
1948	RAOB RAWIN	20	0	0	0	136	47	27	0	161	64	13	0	46	7	0	0
1949	RAOB RAWIN	36	11	4	0	90	5	0	0	75	4	0	0	106	5	1	0
1950	RAOB RAWIN	119	5	0	0	154	84	52	0	139	79	36	1	142	78	20	1
1951	RAOB RAWIN	145	53	17	0	158	121	69	9	152	116	93	8	99	19	3	0
1952	RAOB RAWIN	67	38	24	0	176	158	131	9	160	155	147	11	155	137	93	2
1953	RAOB RAWIN	166	139	82	0	176	170	162	5								
1954	RAOB RAWIN	8	4	3	0	14	10	6	0								
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Gambell, Alaska	26703	63° 51'N	171° 36'W	10	WB	11-11-42	6-30-53				

JUNEAU, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 1
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2							
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	64	8	0	0	118	35	4	0	114	41	0	0	32	4	0	0
1947	RAOB RAWIN	23	1	0	0	112	21	1	0	60	0	0	0	8	0	0	0
1948	RAOB RAWIN	23	0	0	0	90	46	7	0	125	44	5	0	37	3	0	0
1949	RAOB RAWIN	77	22	11	0	140	109	58	0	106	15	11	0	12	1	1	0
1950	RAOB RAWIN	13	0	0	0	102	39	9	0	124	52	25	0	93	10	9	4
1951	RAOB RAWIN	117	50	24	2	145	103	84	29	165	137	109	21	106	35	5	0
1952	RAOB RAWIN	59	27	17	6	146	116	88	4	126	103	82	2	117	72	26	0
1953	RAOB RAWIN	104	65	38	0	79	54	32	1	15	11	8	0	0	0	0	0
1954	RAOB RAWIN	2	1	1	0	10	8	7	0								
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: 042 and 162 - Jan. 1946 thru Mar. 1948. 162 - Dec. 1946.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		OIST. AND OR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Juneau, Alaska (AP)	25309	58° 22'N	134° 33'W	6	WB	9-1-39	5-15-53				

KETCHIKAN, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 1
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2					
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 042 and 162 - Jan. 1946 thru Jul. 1947; 162 - Dec. 1946.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	60 0	3 0	0 0	0 0	131 0	20 0	0 0	0 0	118 0	6 0	0 0	0 0	35 0	2 0	0 0	0 0
1947	RAOB RAWIN	36 0	6 0	0 0	0 0	81 0	5 0	0 0	0 0	42 0	1 0	0 0	0 0				
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS			
						FROM	TO		NAME	FROM	TO	
Ketchikan, Alaska	25325	55° 21'N	131° 39'W	25	WB	9-20-40	7-28-47	22 SSE	Annette, Alaska	4-14-44	- - -	

KING SALMON, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.					G	G	G	G	G	G	G	G
1954	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1955	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1956	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1957	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1958	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1959	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1960	EQUIP. OBS.	W	W	W	W	W	W	W	W	W	W	W	W

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN					79 76	56 53	44 40	2	110 110	83 83	62 62	4	158 155	112 107	53 51	1 1
1954	RAOB RAWIN	159 158	123 123	75 75	1	151 148	121 120	90 89	3	163 153	123 118	83 79	3	166 158	142 137	90 87	0 0
1955	RAOB RAWIN	172 157	145 131	93 83	4	179 170	163 154	137 131	11	169 163	130 118	78 68	4	124 120	91 88	53 52	1 1
1956	RAOB RAWIN	109 96	68 65	45 35	0	162 161	138 141	82 77	2	163 153	145 143	99 92	0	169 162	134 129	36 25	0 0
1957	RAOB RAWIN	144 141	120 119	48 37	0	169 171	152 155	127 128	17	181 182	174 174	156 155	71	176 176	168 168	149 149	82 70
1958	RAOB RAWIN	172 168	160 159	112 99	22 16	173 172	152 151	103 93	2	180 180	160 162	124 123	1	181 172	158 154	135 125	3 1
1959	RAOB RAWIN	175 166	158 151	110 89	4	173 173	151 153	118 111	3	172 169	148 150	121 118	4	164 159	130 128	107 96	19 8
1960	RAOB RAWIN	154 151	123 121	94 86	26 14	167 161	136 132	103 96	18 13	179 179	156 157	129 128	14	171 167	132 130	128 118	35 10

REMARKS: First GMDA - May 5, 1953 and WBRT 57 - Nov. 15, 1959.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
King Salmon, Alaska (Naknek AF Aux. Fld.)	25503	58° 41'N	156° 39'W	19	AF	5- 5-53	6-30-54				
King Salmon, Alaska (Naknek AF Aux. Fld.)	25503	58° 41'N	156° 39'W	16	AF	7- 1-54	2-12-55				
King Salmon, Alaska (WBAS)	25503	58° 41'N	156° 39'W	15	WB	12-13-55	- - -				

KODIAK, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 4	R 4	R 4	R 4	R 4	R 4	R 4	R 4	R 4	R 4	R 4	R 4
1952	EQUIP. OBS.	R 4	R 4	R 4	R 4	R 4	R 4	R 4	R 4	R 4	R 4	R 4	R 4
1953	EQUIP. OBS.	G 4	G 4	G 4	G 4	R 4	R 4	R 4	G 4	G 4	G 4	G 4	R 4
1954	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1955	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

REMARKS: 04Z and 16Z - Jan. thru Oct. 1946; 03Z, 15Z and 21Z - Jun. 1954.
First GMDIA - Sept. 22, 1952; last GMDIA - Apr. 15, 1953. First GMDIA -
Aug. 3, 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	15 0	0	0	0	4	0	0	0	5	0	0	0	15	1	0	0
1947	RAOB RAWIN	49	0	0	0	58	6	1	0	37	5	2	0	34	1	0	0
1948	RAOB RAWIN	12	2	0	0	46	16	1	0	82	27	1	0	21	0	0	0
1949	RAOB RAWIN	2	0	0	0	0	0	0	0	8	0	0	0	27	2	1	0
1950	RAOB RAWIN	13	3	0	0	54	23	13	0	87	40	20	0	79	22	2	0
1951	RAOB RAWIN	67	10	1	0	76	47	21	1	132	97	66	4	78	11	1	0
1952	RAOB RAWIN	68	7	1	0	142	110	81	3	127	94	70	0	74	17	2	0
1953	RAOB RAWIN	60	23	5	0	133	115	62	0	88	72	45	0	101	55	18	0
1954	RAOB RAWIN	136	88	32	0	145	110	56	0	86	46	17	0	36	10	1	0
1955	RAOB RAWIN	110	66	11	0	142	106	37	0	142	103	74	0	157	109	51	0
1956	RAOB RAWIN	166	134	65	0	168	145	98	0	168	138	97	1	140	101	66	1
1957	RAOB RAWIN	172	117	73	0	172	155	76	0	176	168	127	29	167	152	130	35
1958	RAOB RAWIN	145	113	59	0	161	147	60	0	156	156	115	17	154	144	124	23
1959	RAOB RAWIN	153	134	88	14	164	155	127	27	156	137	107	11	163	142	123	15
1960	RAOB RAWIN	167	158	141	51	152	139	121	26	175	169	152	44	159	151	129	60

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Kodiak, Alaska (F.W.C.)	25501	57° 45'N	152° 30'W	20	N	5- 1-45	12-9-52				
Kodiak, Alaska (F.W.C.)	25501	57° 45'N	152° 30'W	28	N	2-10-52	8- 2-53				
Kodiak, Alaska (F.W.C.)	25501	57° 45'N	152° 30'W	20	N	8- 3-53	8- 6-57				
Kodiak, Alaska (F.W.C.)	25501	57° 45'N	152° 30'W	5	N	8- 7-57	4-30-60				
Kodiak, Alaska (F.W.C.)	25501	57° 45'N	152° 30'W	6	N	5- 1-60	- - -				

KOTZEBUE, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	W 2	W 2
1960	EQUIP. OBS.	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2	W 2

REMARKS: 042 and 162 - Jan. 1946 thru Mar. 1948. First Raob plus
SCR 658 - Oct. 15, 1954 and WBRT 57 - Oct. 16, 1959.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	44 0	5 0	0 0	0 0	135 0	43 0	2 0	0 0	147 0	45 0	2 0	0 0	43 0	0 0	0 0	0 0
1947	RAOB RAWIN	21 0	0 0	0 0	0 0	102 0	2 0	0 0	0 0	93 0	5 0	0 0	0 0	3 0	0 0	0 0	0 0
1948	RAOB RAWIN	13 0	0 0	0 0	0 0	118 0	61 0	20 0	0 0	144 0	34 0	2 0	0 0	61 2	6 0	0 0	0 0
1949	RAOB RAWIN	45 4	21 1	5 1	0 0	146 26	116 1	63 0	0 0	146 6	79 0	55 0	0 0	134 1	22 0	2 0	0 0
1950	RAOB RAWIN	113 9	24 0	0 0	0 0	165 13	107 1	58 0	0 0	158 11	94 0	49 0	0 0	81 1	10 0	1 0	0 0
1951	RAOB RAWIN	53 5	18 3	3 0	0 0	109 32	67 10	32 2	0 0	138 12	82 1	55 1	1 0	110 3	35 0	3 0	0 0
1952	RAOB RAWIN	126 6	56 4	28 3	4 0	161 7	153 4	141 4	28 0	165 1	155 1	139 17	17 0	132 0	87 0	46 0	0 0
1953	RAOB RAWIN	124 0	76 0	39 0	0 0	164 0	153 0	138 0	2 0	174 0	166 0	142 0	0 0	168 0	136 0	63 0	0 0
1954	RAOB RAWIN	152 0	129 0	80 0	0 0	172 21	158 11	126 7	0 0	155 5	133 5	98 4	0 0	144 112	116 85	40 22	0 0
1955	RAOB RAWIN	144 119	121 91	27 15	0 0	166 146	147 129	15 8	0 0	170 139	163 132	56 43	0 0	156 99	90 58	6 2	0 0
1956	RAOB RAWIN	137 83	91 52	31 13	0 0	166 160	148 145	69 66	1 0	164 117	154 111	93 63	0 0	134 98	97 57	29 9	0 0
1957	RAOB RAWIN	131 77	91 50	40 19	0 0	171 123	156 119	109 83	0 0	171 110	160 95	116 76	0 0	146 90	119 63	74 16	0 0
1958	RAOB RAWIN	150 108	119 85	49 23	0 0	173 127	159 119	121 89	0 0	176 133	168 132	149 116	11 8	175 118	164 104	143 86	11 7
1959	RAOB RAWIN	171 109	162 85	148 56	8 2	175 88	163 68	153 59	14 6	173 73	166 66	151 56	30 8	151 129	131 111	115 93	43 25
1960	RAOB RAWIN	147 128	123 103	98 78	43 20	172 157	153 112	132 97	40 33	179 173	171 165	153 142	29 22	161 154	147 143	124 114	28 11

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Kotzebue, Alaska	26616	66° 52'N	162° 38'W	5	WB	11-26-42	- - -				

MCGRATH, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1947	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1948	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1949	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1950	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1951	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1952	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1953	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1954	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1955	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1956	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1957	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1958	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1959	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1960	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	61	6	0	0	152	49	3	0	118	8	0	0	34	0	0	0
1947	RAOB RAWIN	27	0	0	0	112	10	0	0	82	8	0	0	3	0	0	0
1948	RAOB RAWIN	14	0	0	0	101	67	21	0	154	104	12	0	63	3	0	0
1949	RAOB RAWIN	60	14	3	0	60	19	13	0	64	0	0	0	116	10	0	0
1950	RAOB RAWIN	134	15	1	0	163	118	65	0	168	113	44	0	149	73	12	0
1951	RAOB RAWIN	130	35	9	0	159	124	72	6	166	136	97	4	137	24	0	0
1952	RAOB RAWIN	149	92	46	3	161	142	103	4	159	143	106	3	168	138	87	4
1953	RAOB RAWIN	163	119	77	0	176	167	144	3	176	165	113	0	172	131	31	0
1954	RAOB RAWIN	172	145	81	0	180	167	144	0	167	141	87	0	149	118	67	0
1955	RAOB RAWIN	123	90	29	0	169	159	70	0	157	142	70	1	124	91	44	1
1956	RAOB RAWIN	119	87	31	0	167	153	86	0	159	148	57	0	164	127	26	0
1957	RAOB RAWIN	160	126	41	0	169	155	75	0	178	165	114	0	169	130	41	0
1958	RAOB RAWIN	172	161	105	0	180	174	134	0	181	175	157	5	176	171	160	17
1959	RAOB RAWIN	109	96	71	1	127	126	115	5	118	111	105	29	144	132	96	9
1960	RAOB RAWIN	171	165	149	44	176	166	153	4	181	168	154	5	179	170	156	15

REMARKS: 04Z and 16Z - Jan. 1946 thru Mar. 1948. 16Z - Dec. 1946.
First Raob plus SCR 658 - Oct. 19, 1956 and WBRT 57 - Jul. 22, 1960.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
McGrath, Alaska (AP)	26510	62° 58' N	155° 37' W	103	WB	4-11-42	- - -				

NOME, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S	S	S		S	S	S	S	S	S	S	S
		2	2	1		M	M	M	M	M	M	2	2
1947	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1948	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1949	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1950	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1951	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1952	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1953	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1954	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1955	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1956	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1957	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1958	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1959	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1960	EQUIP. OBS.	S	S	W	W	W	W	W	W	W	W	W	W
		2	2	2	2	2	2	2	2	2	2	2	2

REMARKS: 042 and 162 - Jan. 1946 thru Mar. 1948. 162 - Mar. 1946.
First WBRT 57 - Feb. 22, 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	7	0	0	0									0	0	0	0
		5	0	0	0									0	0	0	0
1947	RAOB RAWIN	9	1	0	0	28	0	0	0	3	0	0	0	0	0	0	0
		5	1	0	0	21	0	0	0	0	0	0	0	0	0	0	0
1948	RAOB RAWIN	10	1	0	0	84	55	0	0	78	28	0	0	76	8	0	0
		6	0	0	0	29	21	0	0	40	10	0	0	51	5	0	0
1949	RAOB RAWIN	30	0	0	0	29	0	0	0	21	0	0	0	82	1	0	0
		18	0	0	0	16	0	0	0	16	0	0	0	41	1	0	0
1950	RAOB RAWIN	79	1	0	0	140	88	44	2	129	59	21	0	92	27	2	0
		34	1	0	0	28	15	6	0	23	3	1	0	16	5	1	0
1951	RAOB RAWIN	93	22	7	0	154	92	54	4	162	127	98	2	133	30	8	0
		43	6	2	0	45	12	2	0	4	2	0	0	70	3	1	0
1952	RAOB RAWIN	120	61	32	1	174	164	134	9	177	164	123	0	168	143	83	1
		25	9	5	0	47	23	15	0	94	71	42	0	119	93	43	0
1953	RAOB RAWIN	159	136	71	1	176	161	130	3	180	153	101	1	164	128	51	0
		69	76	26	1	125	109	76	0	118	96	56	0	115	71	19	0
1954	RAOB RAWIN	175	154	78	1	174	161	110	2	178	169	130	6	166	125	47	1
		61	41	21	0	110	98	57	0	57	42	28	0	98	55	19	1
1955	RAOB RAWIN	165	130	69	1	166	149	112	0	169	135	81	0	164	126	54	0
		51	35	16	0	108	88	58	0	94	66	33	0	87	59	21	0
1956	RAOB RAWIN	154	127	71	1	176	166	143	0	173	163	148	2	174	158	103	0
		84	60	37	0	143	140	116	0	109	104	88	0	92	58	27	0
1957	RAOB RAWIN	167	135	97	0	175	163	118	1	175	167	139	19	171	148	121	18
		66	47	34	0	96	88	58	1	112	107	85	4	105	84	57	5
1958	RAOB RAWIN	178	170	147	29	177	167	157	2	183	178	172	10	182	178	168	23
		127	116	98	10	100	94	92	0	141	141	133	5	112	115	96	5
1959	RAOB RAWIN	180	179	172	31	181	178	168	58	183	181	166	29	182	179	169	72
		96	79	70	6	118	118	114	24	128	129	119	10	128	118	98	29
1960	RAOB RAWIN	175	174	161	75	179	177	162	44	182	178	168	35	181	178	166	57
		124	125	118	49	173	171	153	27	178	174	164	17	178	178	165	24

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Nome, Alaska (AAB)	26604	64° 30' N	165° 26' W	13	AF	4-17-44	3-27-46				
Nome, Alaska (AAB)	26604	64° 30' N	165° 28' W	14	AF	6-6-46	10-19-46	1 W			
Nome, Alaska	26617	64° 30' N	165° 24' W	7	WB	10-20-46	12-31-48	2 E			
Nome, Alaska	26617	64° 30' N	165° 26' W	7	WB	1-1-49	12-4-50	1 W			
Nome, Alaska	26617	64° 30' N	165° 26' W	10	WB	12-5-50	3-31-51				
Nome, Alaska	26617	64° 30' N	165° 26' W	11	WB	4-1-51	8-31-52				
Nome, Alaska	26617	64° 30' N	165° 26' W	7	WB	9-1-52	8-12-60				
Nome, Alaska (Nome Fld.)	26617	64° 30' N	165° 26' W	7	WB	8-13-60	- - -				

NORTHWAY, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 1
1947	EQUIP. OBS.	R 1	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1955	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 04Z and 16Z - Jan. 1946 thru Mar. 1948, 16Z - Dec. 1946 and Jan. 1947.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	21	0	0	0	123	4	0	0	94	5	0	0	20	1	0	0
1947	RAOB RAWIN	25	0	0	0	84	3	0	0	42	2	0	0	2	0	0	0
1948	RAOB RAWIN	3	0	0	0	40	5	1	0	91	30	5	0	43	3	0	0
1949	RAOB RAWIN	30	7	0	0	53	6	0	0	66	0	0	0	110	5	0	0
1950	RAOB RAWIN	104	11	0	0	149	75	24	1	158	97	51	0	101	11	1	0
1951	RAOB RAWIN	120	47	2	0	165	135	68	1	158	119	70	3	150	40	4	0
1952	RAOB RAWIN	134	28	1	0	164	149	126	15	155	126	102	18	176	137	76	0
1953	RAOB RAWIN	167	138	82	2	171	163	147	5	179	165	134	4	172	143	60	0
1954	RAOB RAWIN	161	132	60	0	175	162	115	1	174	144	100	0	168	138	80	0
1955	RAOB RAWIN	151	113	52	0	80	77	60	1								
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Northway, Alaska	26412	62° 58' N	141° 58' W	524	WB	12-1-42	5-12-55				

SAINT PAUL ISLAND, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
		2	2	2	2	2	2	2	1	1	1	1	1
1947	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
		1	1	1	1	1	1	1	2	1	1	1	1
1948	EQUIP. OBS.	S	R	R	S	S	S	S	S	S	S	S	S
		1	1	1	1	1	1	1	1	1	1	1	1
1949	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		1	1	1	1	1	1	1	1	1	1	1	1
1950	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		1	1	1	1	1	1	1	1	1	1	1	2
1951	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1952	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1953	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1954	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1955	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1956	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1957	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1958	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1959	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1960	EQUIP. OBS.	S	S	S	S	W	W	W	W	W	W	W	W
		2	2	2	2	2	2	2	2	2	2	2	2

REMARKS: 022 and 142 - Jan. 1946, 0130Z and 1330Z - Feb. thru Jun. 1946, 152 - Aug. and Sept. 1946, Oct. 1947 thru Nov. 1950, 032 - Nov. 1946 thru Aug. 1947, First WBRT 57 - Apr. 22, 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	42	1	0	0	18	0	0	0	8	0	0	0	7	0	0	0
		0	0	0	0	9	0	0	0	8	0	0	0	4	0	0	0
1947	RAOB RAWIN	0	0	0	0	6	0	0	0	4	0	0	0	0	0	0	0
		0	0	0	0	6	0	0	0	4	0	0	0	0	0	0	0
1948	RAOB RAWIN	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0
		0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0
1949	RAOB RAWIN	21	0	0	0	31	8	2	0	40	9	1	0	15	0	0	0
		15	0	0	0	16	1	0	0	14	0	0	0	9	0	0	0
1950	RAOB RAWIN	12	0	0	0	4	0	0	0	25	3	0	0	95	22	1	0
		9	0	0	0	1	0	0	0	15	1	0	0	41	12	0	0
1951	RAOB RAWIN	142	44	4	0	144	52	9	0	163	90	51	0	119	54	12	0
		54	12	0	0	87	24	1	0	61	9	0	0	25	7	0	0
1952	RAOB RAWIN	146	99	52	2	168	143	89	0	174	156	113	1	160	121	55	1
		17	2	0	0	29	10	2	0	34	17	10	0	92	57	7	0
1953	RAOB RAWIN	148	106	49	0	146	130	87	3	175	149	70	0	161	93	55	0
		99	59	18	0	84	50	28	1	63	38	14	0	118	55	34	0
1954	RAOB RAWIN	143	65	45	1	161	130	47	0	172	148	85	1	174	146	63	0
		81	34	20	0	119	100	29	0	80	73	36	0	123	99	36	0
1955	RAOB RAWIN	160	120	48	0	171	155	60	0	169	159	107	0	122	85	35	0
		98	72	29	0	106	97	28	0	46	39	16	0	37	25	2	0
1956	RAOB RAWIN	155	121	29	0	171	156	71	0	179	170	88	0	148	121	36	0
		71	52	11	0	144	127	55	0	121	119	65	0	58	41	3	0
1957	RAOB RAWIN	162	134	37	0	177	155	41	0	173	156	107	15	171	160	115	53
		87	70	10	0	111	101	35	0	122	112	78	0	89	82	58	10
1958	RAOB RAWIN	172	165	129	16	173	161	124	18	173	165	152	15	172	161	150	52
		90	85	57	6	76	72	51	5	81	78	72	6	70	62	54	8
1959	RAOB RAWIN	165	143	109	23	181	173	143	15	179	172	158	23	178	171	148	35
		81	69	50	6	86	82	62	2	67	66	62	7	107	103	81	18
1960	RAOB RAWIN	171	154	140	40	164	151	133	10	170	163	149	13	175	168	145	17
		79	73	66	10	130	122	106	7	155	150	138	11	150	143	116	3

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
St. Paul Island, Alaska	25713	57° 07'N	170° 16'W	29	WB	10-17-45	6-30-47				
St. Paul Island, Alaska	25713	57° 09'N	170° 13'W	7	WB	7-1-47	4-30-48	3 NE			
St. Paul Island, Alaska	25713	57° 09'N	170° 13'W	9	WB	5-1-48	1-31-52				
St. Paul Island, Alaska	25713	57° 09'N	170° 13'W	10	WB	2-1-52	9-30-56				
St. Paul Island, Alaska	25713	57° 09'N	170° 13'W	15	WB	10-1-56	1-30-56				
St. Paul Island, Alaska	25713	57° 09'N	170° 13'W	10	WB	12-1-56	- - -				

SHEMYA, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S M	S M	S M	S M	S M	S 2	S 2	S 2	S 2	S 2	S 2	
1947	EQUIP. OBS.	S 2#	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2						
1950	EQUIP. OBS.												
1951	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	
1952	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	
1953	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	
1954	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2						
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.						G 2	G 2	G 2	G 2	G 2	G 2	
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	

REMARKS: 042 and 162 - Jun. thru Nov. 1946, Jan. thru Apr. 1947, and Jun. and Jul. 1947. Rawin obs. ended - Jun. 23, 1949. First GNDIA - Dec. 15, 1952. Rawin obs. ended Jun. 20, 1954.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN					9 0	3 0	1 0	0 0	65 0	24 0	3 0	0 0	17 0	3 0	0 0	0 0
1947	RAOB RAWIN	1 0	0 0	0 0	0 0	5 0	0 0	0 0	0 0	5 4	0 0	0 0	0 0	2 0	0 0	0 0	0 0
1948	RAOB RAWIN	3 0	0 0	0 0	0 0	4 3	0 0	0 0	0 0	10 6	0 0	0 0	0 0	34 11	0 0	0 0	0 0
1949	RAOB RAWIN	17 7	0 0	0 0	0 0	14 6	2 0	0 0	0 0								
1950	RAOB RAWIN																
1951	RAOB RAWIN	53 14	22 0	13 0	7 0	71 12	24 3	4 0	1 0	119 7	60 2	41 0	17 0	85 3	44 0	28 0	7 0
1952	RAOB RAWIN	91 1	65 0	50 0	17 0	105 22	70 12	58 5	21 1	134 54	91 37	64 22	5 2	69 21	33 5	21 3	2 0
1953	RAOB RAWIN	26 26	15 15	11 10	0 0	70 61	48 40	38 31	4 4	99 98	70 66	50 45	2 1	120 112	94 89	67 63	3 3
1954	RAOB RAWIN	118 113	102 97	68 64	5 5	147 142	115 113	72 72	19 18								
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN					5 5	5 5	4 4	1 1	109 108	93 88	62 61	13 8	105 82	69 55	36 28	6 3
1959	RAOB RAWIN	139 137	92 87	62 57	9 5	161 159	146 143	115 111	29 19	164 158	135 133	91 87	14 10	169 166	164 161	163 157	58 46
1960	RAOB RAWIN	153 130	142 123	141 115	36 21	173 162	166 153	151 138	29 23	161 150	145 139	123 112	9 7	167 140	153 125	145 113	11 2

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Shemya, Alaska	45708	52° 43'N	174° 04'E	20	AF	3- 1-45	12-31-50				
Shemya, Alaska	45708	52° 44'N	174° 07'E	80	AF	1- 1-51	7-31-53	2 ENE			
Shemya, Alaska	45708	52° 44'N	174° 07'E	80	AF	8- 1-53	6-20-54				
Shemya, Alaska	45714	52° 43'N	174° 06'E	34	N	6-27-58	3-14-59	1 SW			
Shemya, Alaska	45714	52° 43'N	174° 06'E	40	N	3-15-59	8-31-59				
Shemya, Alaska	45715	52° 43'N	174° 06'E	37	WB	8-31-59	1-18-60				
Shemya, Alaska	45715	52° 43'N	174° 06'E	38	WB	1-19-60	- - -		Also see: Attu, Alaska	- - -	6-24-58

UMNAK, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.						S 2	S 2	S 2	S 2	S 2	S 2	
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	R 2				R 2	R 2	
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN					3 1	0 0	0 0	0 0	4 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1947	RAOB RAWIN	3 1	0 0	0 0	0 0	9 7	0 0	0 0	0 0	5 3	0 0	0 0	0 0	2 2	0 0	0 0	0 0
1948	RAOB RAWIN	21 21	1 1	0 0	0 0	35 34	2 2	1 1	0 0	73 63	12 7	2 1	0 0	36 22	8 3	2 1	0 0
1949	RAOB RAWIN	61 29	9 2	3 0	0 0	53 25	4 2	1 0	0 0	24 4	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1950	RAOB RAWIN	15 5	0 0	0 0	0 0	15 0	0 0	0 0	0 0					7 0	2 0	1 0	0 0
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: 01Z and 03Z - Jun. 1946.
Rawin obs. ended - Aug. 19, 1949 and again May 19, 1950.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Umak, Alaska (Cape AFB)	25602	53° 23'N	167° 54'W	58	AF	6-14-46	9-29-47				
Umak, Alaska (Cape AFB) (Also known as Fort Glenn)	25602	53° 23'N	167° 54'W	22	AF	9-30-47	11-21-50				

YAKUTAT, ALASKA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S 2	S 2	S 2	S H	S 2	S 2	S 2	S 2	S 2	S 2	R 2	
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2			S 1
1948	EQUIP. OBS.	S 1	S 1		S 2	S 2	S 2	S 2	S 2	S 1	S 1	S 1	S 1
1949	EQUIP. OBS.	S 1	S 1	S 1	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

REMARKS: 042 and 162 - Aug. and Sept. 1947. 162 - Dec. 1947 thru Feb. 1948. 152 - Sept. 1948 thru Mar. 1949. First WBRT 57 - Jul. 19, 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	21 0	1 0	0 0	0 0	12 0	0 0	0 0	0 0	30 0	1 0	0 0	0 0	0 0	0 0	0 0	0 0
1947	RAOB RAWIN	1 0	0 0	0 0	0 0	51 13	0 0	0 0	0 0	22 7	1 0	0 0	0 0	0 0	0 0	0 0	0 0
1948	RAOB RAWIN	0 0	0 0	0 0	0 0	28 20	0 0	0 0	0 0	39 24	1 0	0 0	0 0	13 10	1 1	0 0	0 0
1949	RAOB RAWIN	13 4	4 1	2 0	0 0	39 17	0 0	0 0	0 0	41 32	0 0	0 0	0 0	13 12	0 0	0 0	0 0
1950	RAOB RAWIN	31 13	0 0	0 0	0 0	123 102	60 40	7 5	1 0	97 80	46 37	6 4	0 0	70 53	15 7	1 0	0 0
1951	RAOB RAWIN	76 42	14 8	1 0	0 0	110 71	67 36	28 13	0 0	137 81	114 52	87 29	4 1	116 34	20 4	1 0	0 0
1952	RAOB RAWIN	114 38	40 8	22 3	0 0	161 96	144 82	111 48	3 0	147 74	117 56	76 36	0 0	139 50	89 38	39 11	0 0
1953	RAOB RAWIN	148 81	91 48	42 16	0 0	167 81	160 72	92 33	0 0	168 117	125 85	50 24	2 0	150 99	123 72	31 16	0 0
1954	RAOB RAWIN	164 85	109 55	21 6	0 0	171 137	153 118	66 36	0 0	157 108	132 98	65 33	0 0	162 83	125 59	47 23	0 0
1955	RAOB RAWIN	150 88	93 53	28 15	0 0	166 139	138 118	11 10	0 0	159 125	129 101	23 21	0 0	115 73	72 52	18 11	0 0
1956	RAOB RAWIN	94 51	49 25	17 9	0 0	173 95	159 80	72 35	0 0	148 106	122 88	41 30	0 0	141 58	106 40	37 10	0 0
1957	RAOB RAWIN	148 63	105 37	26 3	0 0	170 140	146 118	38 25	0 0	171 116	161 108	113 72	6 0	145 67	108 47	70 26	15 0
1958	RAOB RAWIN	168 77	157 68	98 35	0 0	175 74	166 65	154 57	74 16	180 81	173 73	166 68	31 18	180 27	176 24	167 23	51 5
1959	RAOB RAWIN	178 35	173 29	162 24	37 4	179 41	177 33	172 30	80 13	175 52	160 38	149 30	64 10	174 19	161 15	143 11	48 3
1960	RAOB RAWIN	176 20	169 16	162 15	79 5	176 39	168 28	163 25	30 23	170 145	162 140	143 118	30 23	178 174	163 154	151 139	11 4

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Yakutat, Alaska	25302	59° 30'N	139° 40'W	9	AF	4-17-44	5-21-46				
Yakutat, Alaska	25302	59° 30'N	139° 41'W	9	AF	5-22-46	7-31-48	1 W			
Yakutat, Alaska	25339	59° 31'N	139° 40'W	10	WB	8-1-48	5-31-49	1 NNE			
Yakutat, Alaska	25339	59° 31'N	139° 40'W	12	WB	6-1-49	9-30-49				
Yakutat, Alaska	25339	59° 31'N	139° 40'W	10	WB	10-1-49	- - -				

EDMONTON, ALBERTA, CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS		R F	R F	R F	R F	R F	R F	R F	R F	R F	S F	S F
1947	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1948	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1949	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1950	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1951	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1952	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1953	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1954	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1955	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1956	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1957	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1958	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1959	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1960	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NWRC card holdings - Feb. 1946 thru Dec. 1949, and continuous beginning Jul. 1955. Radiation corrections were being applied January 1, 1954.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATNS & PERIODS		
						FROM	TO		NAME	FROM	TD
Edmonton, Alberta	25111	53° 38'N	113° 29'W	666	C	2-46	9-53				
Edmonton, Alberta	25111	53° 34'N	113° 31'W	668	C	10-53	- - -	5 SSW			

FORT NELSON, BRITISH COLUMBIA, CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS				R F	R F	R F	R F	R F	R F	R F	R F	R F
1947	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F		R F	R F
1948	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1949	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1950	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1951	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1952	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1953	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1954	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1955	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1956	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1957	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1958	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1959	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1960	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NWRC card holdings - Apr. 1946 thru Dec. 1949, and continuous beginning Jul. 1955. Radiation corrections effective June 25, 1957.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Fort Nelson, B. C.	25218	58° 50'N	122° 35'W	375	C	4-46	8-49				
Fort Nelson, B. C.	25218	58° 50'N	122° 35'W	373	C	9-49	12-58				
Fort Nelson, B. C.	25218	58° 50'N	122° 35'W	379	C	1-59	- - -				
(Also called Fort Nelson [Muskeg])											

PORT HARDY, BRITISH COLUMBIA, CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS						R F	R F	R F	R F	R F	R F	R F
1947	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1948	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1949	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1950	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1951	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1952	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1953	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1954	EQUIP. CHARTS	R F	R F	R F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1955	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1956	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1957	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1958	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1959	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1960	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NWRC card holdings - Jun. 1946 thru Dec. 1949, and continuous beginning Jul. 1955. Radiation corrections effective April 19, 1954.

STATION LOCATION

STATION NAME	STA. NO. (WGAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Port Hardy, B. C.	25223	50° 41'N	127° 22'W	23	C	6-46	8-50				
Port Hardy, B. C.	25223	50° 41'N	127° 22'W	19	C	9-50	- - -				

PRINCE GEORGE, BRITISH COLUMBIA, CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS	R F	R F	R F	R F	S F	S F	S F	S F	S F	S F	S F	S F
1947	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1948	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1949	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1950	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1951	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1952	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1953	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1954	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1955	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1956	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1957	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1958	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1959	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1960	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NWRC card holdings - Jan. 1947 thru Dec. 1949 and continuous beginning Jul. 1955. Radiation corrections effective February 6, 1955.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Prince George, B. C.	25206	53° 54'N	122° 40'W	676	C	1-46	12-55				
Prince George, B. C.	25206	53° 53'N	122° 41'W	676	C	1-56	- - -	1 NW			

CHURCHILL, MANITOBA, CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS	R F	R F	R F		R F	R F	R F	R F	R F	R F	R F	R F
1947	EQUIP. CHARTS	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F
1948	EQUIP. CHARTS	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F
1949	EQUIP. CHARTS	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F
1950	EQUIP. CHARTS	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F
1951	EQUIP. CHARTS	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F
1952	EQUIP. CHARTS	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F
1953	EQUIP. CHARTS	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F
1954	EQUIP. CHARTS	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F
1955	EQUIP. CHARTS	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F
1956	EQUIP. CHARTS	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F
1957	EQUIP. CHARTS	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F
1958	EQUIP. CHARTS	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F
1959	EQUIP. CHARTS	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F
1960	EQUIP. CHARTS	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F	G-S F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NWRC card holdings continuous beginning Jan. 1946. Radiation corrections were being applied Jan. 1, 1954. Both GMD and SCR-658 equipment were in use from January 1949 through December 1960. Official records were obtained from either one, with no apparent schedule for changing from the use of one system to the other.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Churchill, Manitoba	15901	58° 47'N	94° 11'W	13	C	1-46	11-52				
Churchill, Manitoba	15901	58° 45'N	94° 04'W	30	C	12-52	- - -	5 ESE			

THE PAS, MANITOBA, CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS												
1947	EQUIP. CHARTS					R F	R F	R F	R F	R F	R F	R F	R F
1948	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1949	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1950	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1951	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1952	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1953	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1954	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1955	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1956	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1957	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1958	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1959	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1960	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NWRC card holdings - May 1947 thru Dec. 1949 and continuous beginning Jul. 1955. Radiation corrections effective June 29, 1957.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
The Pas, Manitoba	25004	53° 58' N	101° 06' W	273	C	1-48	- - -				

ARGENTIA, NEWFOUNDLAND, CANADA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 1	R 1	R 1					
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2						
1951	EQUIP. OBS.												
1952	EQUIP. OBS.							G 2	G 2	G 2	G 2	G 2	G 2
1953	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1954	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1955	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	7	2	0	0	26	2	0	0	16	3	0	0				
1947	RAOB RAWIN																
1948	RAOB RAWIN	42	1	0	0	29	2	0	0								
1949	RAOB RAWIN									5	0	0	0				
1950	RAOB RAWIN	41	3	0	0	32	1	0	0								
1951	RAOB RAWIN																
1952	RAOB RAWIN									113 107	70 69	35 31	0	76 63	35 30	19 17	0
1953	RAOB RAWIN	52 46	30 30	24 21	0	73 66	31 27	21 19	0	45 35	15 14	11 11	0	35 19	13 6	4 0	0
1954	RAOB RAWIN	52 0	31 0	20 0	0	93 49	59 23	36 14	1	35 26	20 14	13 11	0	42 26	30 16	21 12	1 0
1955	RAOB RAWIN	63 43	38 29	16 11	0	47 39	24 22	14 13	0	15 8	9 8	6 5	0	84 66	61 50	36 27	0
1956	RAOB RAWIN	119 102	76 66	52 46	1	153 146	130 129	107 107	7	139 137	118 111	76 71	1	56 54	28 28	18 17	0
1957	RAOB RAWIN	110 99	76 69	52 48	1	163 131	139 134	91 87	4	126 120	106 99	82 79	17	106 97	76 70	58 50	8
1958	RAOB RAWIN	113 106	89 82	62 57	3	104 94	90 85	87 80	17	122 111	102 96	91 88	30	46 34	35 26	30 21	6
1959	RAOB RAWIN	109 77	89 61	81 61	25	155 125	143 123	129 113	41	141 127	127 113	113 98	26	123 86	106 83	95 80	35
1960	RAOB RAWIN	127 112	119 108	113 103	30	120 98	96 86	85 74	18	114 87	85 72	75 58	22	110 69	94 62	87 58	37

REMARKS: 152 - Jan. thru Jul. 1946. Raob summaries available -
Jan. thru May 1948 and Jul. 1949.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Argentia, Newfoundland	14508	47° 18'N	53° 59'W	17	N	- - -	- - -				

GOOSE, NEWFOUNDLAND, CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS	S O				S O	S O	S O	S O	S O	S O	S O	S O
1947	EQUIP. CHARTS	S O	S O	S O	S O	S O	S O	S O	S O	S O	S O	S O	S O
1948	EQUIP. CHARTS	S O	S O	S O	S O	S O	S O	S O	S O	S O	S O	S O	S O
1949	EQUIP. CHARTS	S O	S O	S O	S O	S O		S O	S O	S O	S O	S O	S O
1950	EQUIP. CHARTS	S O	S O	S O	S O	S O	S O	S O	S O	S O	S O	S O	S O
1951	EQUIP. CHARTS	S O	S O	S O	S O	S O	S O	S O	S O	S O	S O	S O	S O
1952	EQUIP. CHARTS	S O	S O	S O	S O	S O	S O	S O	S O	S O	S O	S O	S O
1953	EQUIP. CHARTS	G O	G O	G O	G O	G O	G O	G O	G O	G O	G O	G O	G O
1954	EQUIP. CHARTS	G O	G O	G O	G O	G O	G O	G O	G O	G O	G O	G O	G O
1955	EQUIP. CHARTS	G O	G O	G O	G O	G O	G O	G O	G O	G O	G O	G O	G O
1956	EQUIP. CHARTS	G O	G O	G O	G O	G O	G O	G O	G O	G O	G O	G O	G O
1957	EQUIP. CHARTS	G O	G O	G O	G O	G O	G O	G O	G O	G O	G O	G O	G O
1958	EQUIP. CHARTS	G O	G O	G O	G O	G O	G O	G O	G O	G O	G O	G O	G O
1959	EQUIP. CHARTS	G O	G O	G O	G O	G O	G O	G O	G O	G O	G O	G O	G O
1960	EQUIP. CHARTS	G F	G F	G F	G F	G F	G F	G F	G F	G F	G F	G F	G F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NMRC card holdings continuous beginning May 1946. Radiation corrections were being applied January 1, 1954. R. H. over water Feb. 1949 thru Dec. 1960. Mostly 2 obs. per day - Jan. 1946 thru Jul. 1947 and Jan. thru Apr. 1948. 3 obs. per day - Aug. thru Dec. 1947. Mostly 4 obs. per day - May 1948 thru Oct. 1959.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Goose, Labrador	15601	53° 18'N	60° 27'W	46	AF	1-46	10-59				
Goose, Labrador (Also known as Goose Bay)	15601	53° 18'N	60° 27'W	46	C	11-59	- - -				

SAINT JOHNS, NEWFOUNDLAND, CANADA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.						S 2	S 4	S 4	S 4	S 4	S 4	S 4
1951	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1952	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4					
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN					3 1	0 0	0 0	0 0	40 5	7 2	4 2	1 0	38 2	21 1	19 1	8 1
1951	RAOB RAWIN	54 10	40 9	34 9	24 5	73 23	47 16	45 15	26 5	74 17	38 10	30 9	11 2	42 7	29 7	23 5	7 1
1952	RAOB RAWIN	81 29	56 24	49 18	20 6	82 33	48 26	43 22	15 7	10 6	3 2	1 1	0 0				
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
St. Johns, Newfoundland	14505	47° 36'N	52° 41'W	79	AF	6-8-50	7-14-52				

STEPHENVILLE, NEWFOUNDLAND, CANADA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S 2	S 2	S 1	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

REMARKS: 16Z - Apr. 1946.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	4	0	0	0	16	1	0	0	3	0	0	0	1	0	0	0
1947	RAOB RAWIN	7	0	0	0	16	1	0	0	9	0	0	0	11	0	0	0
1948	RAOB RAWIN	2	0	0	0	18	2	0	0	39	4	0	0	40	0	0	0
1949	RAOB RAWIN	19	1	0	0	16	0	0	0	32	5	1	0	22	4	0	0
1950	RAOB RAWIN	35	5	1	0	73	23	16	3	64	30	24	8	47	24	20	6
1951	RAOB RAWIN	32	21	16	7	51	33	29	9	64	40	35	15	41	21	12	3
1952	RAOB RAWIN	33	13	12	3	108	65	55	15	138	100	84	32	89	67	54	6
1953	RAOB RAWIN	80	39	17	0	136	84	38	0	141	100	62	0	124	73	39	0
1954	RAOB RAWIN	89	28	10	0	96	59	48	0	179	152	119	2	161	113	73	0
1955	RAOB RAWIN	165	123	79	0	154	111	88	2	164	140	87	1	167	151	102	1
1956	RAOB RAWIN	165	135	106	15	163	143	109	13	170	150	127	14	168	146	122	28
1957	RAOB RAWIN	152	119	96	12	167	153	138	29	170	156	141	29	161	138	116	9
1958	RAOB RAWIN	167	151	131	51	176	169	163	40	170	162	155	70	174	160	150	81
1959	RAOB RAWIN	159	136	123	60	180	174	164	65	177	172	168	49	176	175	172	53
1960	RAOB RAWIN	174	174	167	54	181	180	149	84	184	184	183	77	181	178	173	49

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Stephenville, Nfld. (Harmon AFB)	14503	48° 33'N	58° 34'W	5	AF	- - -	1- 7-53				
Stephenville, Nfld. (Harmon AFB)	14503	48° 33'N	58° 34'W	59	AF	1- 8-53	7-27-58				
Stephenville, Nfld. (Harmon AFB)	14503	48° 33'N	58° 34'W	30	AF	7-28-58	- - -				

ALERT, N. W. T., CANADA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.									S 1	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 1	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN									10 0	5 0	1 0	0 0	138 64	35 0	5 0	0 0
1951	RAOB RAWIN	137 82	21 1	0 0	0 0	160 107	120 0	71 0	0 0	165 148	139 1	102 0	1 1	149 105	49 0	2 0	0 0
1952	RAOB RAWIN	116 94	69 0	44 0	2 0	114 33	91 0	65 0	3 0	150 58	77 0	49 0	0 0	145 43	43 0	14 0	0 0
1953	RAOB RAWIN	131 40	65 0	7 0	0 0	140 56	133 0	55 0	0 0	137 45	114 0	62 0	0 0	115 69	27 3	1 0	0 0
1954	RAOB RAWIN	97 32	24 0	4 0	0 0	147 81	126 55	56 21	1 0	135 99	100 68	63 37	0 0	124 68	39 19	3 1	0 0
1955	RAOB RAWIN	137 92	60 33	9 14	0 0	146 108	117 67	67 34	0 0	157 151	117 112	76 71	0 0	116 105	45 37	11 9	0 0
1956	RAOB RAWIN	99 83	33 21	14 8	0 0	177 163	163 152	110 98	0 0	171 161	152 133	99 85	1 0	140 102	52 36	7 5	0 0
1957	RAOB RAWIN	153 132	102 84	32 32	0 0	173 168	159 152	90 84	3 3	179 162	160 144	122 110	48 41	180 162	136 106	52 46	6 4
1958	RAOB RAWIN	173 133	159 124	109 90	9 9	181 156	178 146	165 146	54 30	181 152	164 135	159 135	48 31	181 115	166 100	91 42	9 5
1959	RAOB RAWIN	179 154	148 112	80 55	3 2	181 146	175 140	163 131	15 6	182 112	175 102	151 89	16 2	174 105	163 86	116 49	8 1
1960	RAOB RAWIN	168 116	162 102	150 82	51 19	179 166	171 160	165 150	60 29	180 163	172 154	158 140	60 34	173 144	148 121	121 89	11 4

REMARKS: First GMDIA - Feb. 20, 1960.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Alert, N.W.T.	18601	82° 32'N	62° 42'W	66	WB	9-10-50	- - -				

ARCTIC BAY, N. W. T., CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS	R O	R O	R O	R O	R O	R O	R O	R O	R O	R O	R O	R O
1947	EQUIP. CHARTS	R O	R O	R O	R O	R O	R O	R O	R O	R O	R O	R O	R O
1948	EQUIP. CHARTS	R O	R O	R O	R O	R O	R O	R O	R O	R O	R O	R O	R O
1949	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1950	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1951	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1952	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1953	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1954	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1955	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1956	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1957	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1958	EQUIP. CHARTS												
1959	EQUIP. CHARTS												
1960	EQUIP. CHARTS												

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: Summaries available on microfilm - Aug. thru Dec., 1948. Never a RAWIN station; radiosonde observations discontinued Aug. 12, 1957. Radiation corrections effective Apr. 1, 1957. 2 obs. per day - Jan. 1946 thru Jul. 1948. NWRC card holdings Jan. thru Jul. 1948 and continuous beginning Jan. 1950. Rabal - Jan. thru Jul. 1957.

STATION LOCATION

STATION NAME	STA. ND. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TD		NAME	FRDM	TD
Arctic Bay, N.W.T.	17802	73° 00'N	85° 18'W	11	AF	1-46	7-48				
Arctic Bay, N.W.T.	17802	73° 00'N	85° 18'W	11	C	8-48	7-57				

BAKER LAKE, N. W. T., CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS												
1947	EQUIP. CHARTS												
1948	EQUIP. CHARTS												
1949	EQUIP. CHARTS		R F	R F	R F	R F	R F	R F	R F				
1950	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1951	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1952	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1953	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1954	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	X F	X F
1955	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1956	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1957	EQUIP. CHARTS	X F		X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1958	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1959	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1960	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NWRC card holdings - Feb. thru Aug. 1949 and continuous beginning Jul. 1955. Summaries available on microfilm - Jul. 1950. Radiation corrections effective Dec. 2, 1954.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Baker Lake, N.W.T.	16903	64° 28'N	96° 05'W	9	C	2-49	3-55				
Baker Lake, N.W.T.	16903	64° 18'N	96° 00'W	9	C	4-55	- - -	12 SSE			

CLYDE, N. W. T., CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS												
1947	EQUIP. CHARTS				R O	R O	R O	R O	R O	R O	R O	R O	R O
1948	EQUIP. CHARTS	R O	R O	R O	R O	R O	R O	R O	R O	R O	R O	R O	R O
1949	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1950	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1951	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1952	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1953	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1954	EQUIP. CHARTS	X F	X F	X F	X F								
1955	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1956	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1957	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1958	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1959	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1960	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NWC card holdings continuous beginning Apr. 1947. 2 obs. per day - Apr. 1947 thru Sept. 1948. Radiation corrections effective Sept. 5, 1958. October 1948 - Apr. 1954 Rawin equipment type uncertain.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Clyde, N.W.T.	17601	70° 27'N	68° 33'W	8	AP	4-47	9-48				
Clyde, N.W.T.	17601	70° 27'N	68° 33'W	8	C	10-48	4-54				
Clyde, N.W.T.	17601	70° 27'N	68° 33'W	3	C	5-54	11-58				
Clyde, N.W.T. (Also known as Clyde River and River Clyde)	17601	70° 27'N	68° 33'W	16	C	12-58	- - -				

COPPERMINE, N. W. T., CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS												
1947	EQUIP. CHARTS											R F	R F
1948	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1949	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1950	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1951	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1952	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1953	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1954	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1955	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1956	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1957	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	X F	X F	X F	X F	X F
1958	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1959	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1960	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NWRC card holdings continuous beginning Nov. 1947.
Radiation corrections effective Jul. 18, 1957.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Coppermine, N.W.T.	26107	67° 49'N	115° 05'W	5	C	11-47	- - -				

CORAL HARBOUR, N. W. T., CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1947	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1948	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1949	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1950	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1951	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1952	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1953	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1954	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1955	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1956	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1957	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1958	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1959	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1960	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: Computations sheets available available on film - Jul. 1946.
NWC card holdings continuous beginning - Jan. 1947. Summaries available
on film Jan. thru Mar. 1950 and Sept. 1950. Radiation corrections
effective Nov. 10, 1954.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELFV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Coral Harbour, N.W.T.	16801	64° 11'N	83° 22'W	59	C	1-46	10-54				
Coral Harbour, N.W.T.	16801	64° 12'N	83° 22'W	62	C	11-54	- - -	1 N			

EUREKA SOUND, N. W. T., CANADA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.						R 1	R 1	R 1	R 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 1	S 1	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN					7	2	0	0	51	11	2	0	1	0	0	0
1948	RAOB RAWIN	0	0	0	0	59	2	0	0	96	12	0	0	3	0	0	0
1949	RAOB RAWIN	1	0	0	0	4	0	0	0	10	0	0	0	18	0	0	0
1950	RAOB RAWIN	57	0	0	0	116	30	5	0	81	16	1	0	44	2	0	0
1951	RAOB RAWIN	48	6	0	0	108	38	6	0	77	30	9	0	66	18	5	0
1952	RAOB RAWIN	101	41	15	0	140	100	59	4	143	116	65	1	80	27	4	0
1953	RAOB RAWIN	47	7	0	0	144	103	53	1	138	86	37	2	101	28	5	0
1954	RAOB RAWIN	81	37	14	0	163	131	62	0	152	127	64	0	140	40	0	0
1955	RAOB RAWIN	152	73	12	0	149	124	73	0	139	116	33	0	133	55	9	0
1956	RAOB RAWIN	84	19	10	0	155	137	65	0	154	130	60	0	135	50	9	0
1957	RAOB RAWIN	137	74	38	0	158	106	38	14	170	152	113	46	182	164	91	2
1958	RAOB RAWIN	173	166	128	16	182	179	170	116	178	166	123	48	179	150	67	12
1959	RAOB RAWIN	180	162	80	5	179	174	158	18	182	179	167	43	179	136	61	9
1960	RAOB RAWIN	175	159	137	19	176	168	150	53	181	176	164	35	179	174	162	5

REMARKS: 032 - Jun. thru Aug. 1947, Feb. and Mar. 1948. First RAOB plus SCR 658 - Sept. 18, 1947.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Eureka Sound, N.W.T.	18801	80° 13'N	86° 11'W	3	WB	6-1-47	12-21-48				
Eureka Sound, N.W.T.	18801	79° 59'N	85° 56'W	3	WB	12-22-48	11-5-49	16 SSE			
Eureka Sound, N.W.T.	18801	79° 59'N	85° 57'W	3	WB	11-6-49	9-10-58	1 W			
Eureka Sound, N.W.T.	18801	80° 00'N	85° 56'W	3	WB	9-11-58	- - -	1 NE			

FORT SMITH, N. W. T., CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	S5 F	S5 F
1947	EQUIP. CHARTS	S5 F	S5 F	S5 F	S5 F	S5 F	S5 F	S5 F	S5 F	S5 F	S5 F	S5 F	S5 F
1948	EQUIP. CHARTS	S5 F	S5 F	S5 F	S5 F	S5 F	S5 F	S5 F	S5 F	S5 F	S5 F	S5 F	S5 F
1949	EQUIP. CHARTS	S5 F	S5 F	S5 F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1950	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1951	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1952	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1953	EQUIP. CHARTS	R F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1954	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1955	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1956	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1957	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1958	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1959	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1960	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NWRC card holdings - Jan. 1946 thru Dec. 1959 and continuous beginning - Jul. 1955. Summaries available on film - Jan. thru Mar. 1948. Radiation corrections effective Oct. 16, 1954. Nov. 1948 - Mar. 1949 - Rawin equipment type uncertain.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Fort Smith, N.W.T.	26102	60° 01'N	112° 00'W	203	C	1-46	2-53				
Fort Smith, N.W.T.	26102	60° 01'N	111° 58'W	203	C	3-53	- - -	1 E			

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS	S O	S O						S O		S O	S O	S O
1947	EQUIP. CHARTS	S O	S O	S O	S O	S O	S O	S O	S O	S O	S O	S O	S O
1948	EQUIP. CHARTS	S O	S O	S O	S O	S O	S O	S O				S O	S O
1949	EQUIP. CHARTS	S O	S O	S O	S O	S O			S O	S O	S O	S O	S O
1950	EQUIP. CHARTS	S O	S O	S O	S O	S O	S O	S O	X F	X F	X F	X F	X F
1951	EQUIP. CHARTS		X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1952	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1953	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1954	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	
1955	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1956	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1957	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1958	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1959	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1960	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: Mostly 2 obs. per day - Jan. 1946 thru Dec. 1947 and Jan. thru Dec. 1950. Mostly 4 obs. per day - Jan. 1948 thru Dec. 1949. NWRC card holdings continuous beginning Aug. 1949; complete as records Jan. 1946 - Jun. 1949. Radiation corrections effective Feb. 12, 1957. Changeover date, SCR 658 to Meteox, uncertain. R. N. over water Dec. 1948 thru Aug. 1950.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Probiecher Bay, N.W.T.	16603	63° 45'N	68° 33'W	21	AF	1-46	8-50				
Probiecher Bay, N.W.T.	16603	63° 45'N	68° 33'W	21	C	9-50	- - -				
(Also known as Upper Probiecher and Upper Probiecher Bay)											

HALL LAKE, N. W. T., CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS												
1947	EQUIP. CHARTS												
1948	EQUIP. CHARTS												
1949	EQUIP. CHARTS												
1950	EQUIP. CHARTS												
1951	EQUIP. CHARTS												
1952	EQUIP. CHARTS												
1953	EQUIP. CHARTS												
1954	EQUIP. CHARTS												
1955	EQUIP. CHARTS												
1956	EQUIP. CHARTS												
1957	EQUIP. CHARTS								X F	X F	X F	X F	X F
1958	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1959	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1960	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NWRC card holdings continuous beginning - Aug. 1957.
Radiation corrections effective Aug. 1, 1957.

STATION LOCATION

STATION NAME	STA. NO. (WEAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Hall Lake, N.W.T.	16895	68° 47' N	81° 15' W	10	C	8-57	- - -				

INUVIK, N. W. T., CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1947	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1948	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1949	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1950	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1951	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1952	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1953	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1954	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1955	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1956	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1957	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1958	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1959	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1960	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	X F	X F	X F	X F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NMRC card holdings continuous beginning - Jan. 1946.
Radiation corrections effective Jul. 17, 1957. "Simultaneous" raobs
taken at Aklavik and Inuvik on changeover date, Sept. 12, 1960.
First rawin Sept. 15, 1960 at Inuvik.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Aklavik, N.W.T.	26317	68° 14'N	135° 00'W	10	C	1-46	8-60				
Inuvik, N.W.T.	26323	68° 18'N	133° 30'W	58	C	9-60	- - -	39 ENE			

ISACHSEN, N. W. T., CANADA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.								R 1	R 1	R 1	R 1	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

REMARKS: 03Z - Aug. thru Nov. 1948. First Raob plus SCR 658 - Oct. 5, 1954.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN									19	3	0	0	7	0	0	
1949	RAOB RAWIN	11	0	0	0	42	1	0	0	73	0	0	0	39	0	0	
1950	RAOB RAWIN	91	16	0	0	148	107	68	2	164	131	90	1	142	59	8	
1951	RAOB RAWIN	152	46	10	0	147	130	102	2	176	155	112	2	148	68	14	
1952	RAOB RAWIN	133	65	17	0	164	148	124	19	166	150	132	12	166	133	95	
1953	RAOB RAWIN	148	106	66	1	177	166	150	32	179	170	150	38	155	102	47	
1954	RAOB RAWIN	152	78	44	0	168	148	117	0	171	152	124	0	159	84	18	
1955	RAOB RAWIN	153	74	12	0	160	143	86	0	158	137	102	0	141	51	17	
1956	RAOB RAWIN	111	49	5	0	100	63	16	0	79	57	33	0	81	19	5	
1957	RAOB RAWIN	105	16	0	0	145	114	71	0	127	99	65	0	145	54	13	
1958	RAOB RAWIN	125	71	37	0	172	155	96	0	175	168	145	48	165	124	50	
1959	RAOB RAWIN	27	16	5	0	100	81	50	0	76	71	57	11	89	56	22	
1960	RAOB RAWIN	161	119	61	5	177	161	143	63	173	169	147	47	173	161	101	
		65	51	27	1	94	82	72	22	133	126	109	24	81	69	52	
1959	RAOB RAWIN	168	123	30	0	177	175	134	1	177	176	168	44	177	155	100	
		119	61	17	0	132	122	91	0	120	116	109	11	102	79	54	
1960	RAOB RAWIN	166	125	103	29	178	172	164	90	183	179	172	65	175	169	153	
		82	64	48	6	132	125	114	38	157	151	145	29	100	95	72	

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Isachsen, N.W.T.	27001	78° 47'N	103° 32'W	30	WB	8-18-48	- - -				

MOULD BAY, N. W. T., CANADA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.						R 1	R 1	R 1	R 1	R 1	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN					17	0	0	0	64	0	0	0	13	0	0	0
1949	RAOB RAWIN	0	0	0	0	25	0	0	0	22	1	0	0	6	0	0	0
1950	RAOB RAWIN	30	0	0	0	64	4	0	0	118	24	1	0	66	6	0	0
1951	RAOB RAWIN	55	17	3	0	114	88	36	0	133	96	59	2	91	34	6	0
1952	RAOB RAWIN	96	23	1	0	111	66	9	0	139	94	32	0	86	37	10	0
1953	RAOB RAWIN	97	56	28	0	97	70	57	1	94	69	49	2	97	45	8	0
1954	RAOB RAWIN	79	43	18	0	163	145	98	3	161	138	92	2	157	70	16	0
1955	RAOB RAWIN	159	77	21	1	173	150	105	0	165	149	111	0	148	53	18	0
1956	RAOB RAWIN	113	36	7	0	173	160	88	0	177	160	106	0	158	78	11	0
1957	RAOB RAWIN	164	123	55	0	174	163	102	8	177	169	134	32	175	149	78	4
1958	RAOB RAWIN	102	69	27	0	147	133	69	2	140	129	101	12	111	80	42	0
1959	RAOB RAWIN	173	161	90	8	179	171	158	50	170	161	130	19	179	155	102	3
1960	RAOB RAWIN	110	93	51	2	124	110	96	6	105	90	71	2	79	58	34	1
1959	RAOB RAWIN	174	156	100	1	181	179	154	8	183	181	171	61	177	147	91	5
1960	RAOB RAWIN	59	47	23	0	127	119	96	2	140	139	130	21	132	95	55	0
1960	RAOB RAWIN	166	127	78	25	171	166	161	88	176	170	168	96	170	162	153	58
1960	RAOB RAWIN	107	73	38	3	170	160	154	62	170	167	159	71	163	155	144	39

REMARKS: 03Z - Jun. thru Oct. 1948. First Raob plus SCR 658 - Oct. 22, 1953 and GMDA - Apr. 3, 1960.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Mould Bay, N.W.T.	27101	76° 14' N	119° 20' W	20	WB	6-1-48	- - -				

NORMAN WELLS, N. W. T., CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS		R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1947	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1948	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1949	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1950	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1951	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1952	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1953	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1954	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1955	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1956	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1957	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1958	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1959	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1960	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NWRC card holdings - Feb. 1946 thru Dec. 1949 and continuous beginning Jul. 1955. Summaries available on film - Sept. 1949. Radiation corrections effective Jun. 11, 1955.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Norman Wells, N.W.T.	26202	65° 17'N	126° 46'W	89	C	2-46	10-51				
Norman Wells, N.W.T.	26202	65° 18'N	126° 51'W	75	C	11-51	8-7-59	3 WNW			
Norman Wells, N.W.T.	26202	65° 18'N	126° 51'W	62	C	8-8-59	- - -				

RESOLUTE BAY, N. W. T., CANADA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.											1	2
1948	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1949	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1950	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1951	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1952	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1953	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1954	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1955	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1956	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1957	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1958	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1959	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1960	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN													0	0	0	0
1948	RAOB RAWIN	2	0	0	0	54	0	0	0	29	0	0	0	1	0	0	0
1949	RAOB RAWIN	0	0	0	0	22	0	0	0	50	0	0	0	29	0	0	0
1950	RAOB RAWIN	24	0	0	0	123	66	15	0	111	51	19	0	56	2	0	0
1951	RAOB RAWIN	77	8	0	0	145	61	15	0	151	83	18	0	97	21	0	0
1952	RAOB RAWIN	82	39	12	0	95	69	44	0	116	84	54	2	109	53	18	0
1953	RAOB RAWIN	108	60	11	0	156	131	99	7	171	149	127	10	122	57	22	1
1954	RAOB RAWIN	110	52	32	0	166	151	85	1	166	139	76	0	171	92	12	0
1955	RAOB RAWIN	172	128	35	0	177	160	117	0	176	163	130	0	136	74	35	1
1956	RAOB RAWIN	97	27	13	0	170	148	81	0	169	154	85	1	121	63	12	0
1957	RAOB RAWIN	120	74	34	0	176	170	118	0	167	152	129	0	168	113	67	0
1958	RAOB RAWIN	156	122	81	1	171	161	132	2	179	173	155	1	176	166	143	0
1959	RAOB RAWIN	170	156	97	3	177	167	137	18	175	158	117	33	166	104	60	21
1960	RAOB RAWIN	176	169	153	17	179	177	174	37	175	169	167	54	176	168	162	25

REMARKS: 032 - Nov. 1947.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Resolute Bay, N.W.T.	17901	74° 42'N	94° 55'W	64	WB	11-1-47	- - -				

SACHS HARBOUR, N. W. T., CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS												
1947	EQUIP. CHARTS												
1948	EQUIP. CHARTS												
1949	EQUIP. CHARTS												
1950	EQUIP. CHARTS												
1951	EQUIP. CHARTS												
1952	EQUIP. CHARTS												
1953	EQUIP. CHARTS												
1954	EQUIP. CHARTS												
1955	EQUIP. CHARTS										X	X	X
1956	EQUIP. CHARTS	X	X	X	X	X	X	X	X	X	X	X	X
1957	EQUIP. CHARTS	X	X	X	X	X	X	X	X	X	X	X	X
1958	EQUIP. CHARTS	X	X	X	X	X	X	X	X	X	X	X	X
1959	EQUIP. CHARTS	X	X	X	X	X	X	X	X	X	X	X	X
1960	EQUIP. CHARTS	X	X	X	X	X	X	X	X	X	X	X	X

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NWC card holdings continuous beginning - Nov. 1955.
Radiation corrections effective Sept. 29, 1957.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Sachs Harbour, N.W.T. (Also known as Banks I.)	27201	71° 57'N	124° 44'W	84	C	11-55	- - -				

SABLE ISLAND, NOVA SCOTIA, CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS	R	R	R	R	R	R	R	R	R	R	R	R
1947	EQUIP. CHARTS	R	R	R	R	R	R	R	R	R	R	R	R
1948	EQUIP. CHARTS	R	R	R	R	R	R	R	R	R	R	R	R
1949	EQUIP. CHARTS	R	R	R	R	R	R	R	R	R	R	R	R
1950	EQUIP. CHARTS	R	R	R	R	R	R	R	R	R	R	R	R
1951	EQUIP. CHARTS	R	R	R	R	R	R	R	R	R	R	R	R
1952	EQUIP. CHARTS	R	R	R	R	R	R	R	R	R	R	R	R
1953	EQUIP. CHARTS	R	R	R	R	R	R	R	R	R	R	R	R
1954	EQUIP. CHARTS	R	X	X	X	X	X	X	X	X	X	X	X
1955	EQUIP. CHARTS	X	X	X	X	X	X	X	X	X	X	X	X
1956	EQUIP. CHARTS	X	X	X	X	X	X	X	X	X	X	X	X
1957	EQUIP. CHARTS	X	X	X	X	X	X	X	X	X	X	X	X
1958	EQUIP. CHARTS	X	X	X	X	X	X	X	X	X	X	X	X
1959	EQUIP. CHARTS	X	X	X	X	X	X	X	X	X	X	X	X
1960	EQUIP. CHARTS	X	X	X	X	X	X	X	X	X	X	X	X

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: Summaries available on film - Jan. thru Dec. 1946, Dec. 1951 thru May 1952. WRC card holdings - Jan. 1946 thru Dec. 1949 and continuous beginning Jul. 1955. Radiation corrections effective Mar. 1, 1957.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Sable Island, N. S.	14642	43° 56'N	60° 01'W	3	C	1-46	7-57				
Sable Island, N. S.	14642	43° 56'N	60° 02'W	3	C	8-57	- - -	1 W			

MOOSONEE, ONTARIO, CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1947	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1948	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1949	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1950	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1951	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1952	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1953	EQUIP. CHARTS	R F	R F	R F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1954	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1955	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1956	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1957	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1958	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1959	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1960	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NRRC card holdings - Jan. 1946 thru Dec. 1949 and continuous beginning - Jul. 1955. Radiation corrections effective Feb. 8, 1957.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Moosonee, Ontario	15803	51° 13'N	80° 39'W	10	C	1-46	5-53				
Moosonee, Ontario	15803	51° 16'N	80° 39'W	10	C	6-53	- - -	3 N			

TROUT LAKE, ONTARIO, CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS												
1947	EQUIP. CHARTS												
1948	EQUIP. CHARTS												
1949	EQUIP. CHARTS												
1950	EQUIP. CHARTS												
1951	EQUIP. CHARTS												
1952	EQUIP. CHARTS												R F
1953	EQUIP. CHARTS	R F	R F	R F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1954	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1955	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1956	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1957	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1958	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1959	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1960	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NWRC card holdings continuous beginning Jul. 1955.
Radiation corrections were being applied Jan. 1, 1954.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Trout Lake, Ontario	15806	53° 50'N	89° 52'W	219	C	12-52	2-53				
Trout Lake, Ontario	15806	53° 50'N	89° 52'W	222	C	3-53	- - -				

FORT CHIMO, QUEBEC, CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS												
1947	EQUIP. CHARTS				R O	R O	R O	R O	R O	R O	R O	R O	R O
1948	EQUIP. CHARTS	R O	R O	R O	R O	R O	R O	R O	R O	R O	R O	R O	R O
1949	EQUIP. CHARTS	R O	R O	R O	R O	R O	R O	R O	R O	R O	R O	R O	R O
1950	EQUIP. CHARTS	R O	R O	R O	R O	R O	R O	R O	R O	S F	S F	S F	S F
1951	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1952	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1953	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1954	EQUIP. CHARTS	S F	S F	S F		S F	S F	S F	S F	S F	S F	S F	S F
1955	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1956	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1957	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1958	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1959	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1960	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NWRC card holdings - Apr. 1947 thru Aug. 1950 and continuous beginning - Jul. 1955. 2 obs. per day - Apr. 1947 thru Aug. 1948, Nov. 1949 thru Jun. 1950. 4 obs. per day - Sept. 1948 thru Oct. 1949, and Jul. and Aug. 1950. Summaries available on film - Sept. 1951 and Oct. 1952. R. H. over water Oct. 1948 thru Aug. 1950. Radiation corrections effective Feb. 8, 1957.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Fort Chimo, Quebec	15605	58° 06'N	68° 26'W	36	AF	4-47	8-50				
Fort Chimo, Quebec	15605	58° 06'N	68° 26'W	36	C	9-50	- - -				

MANIWAKI, QUEBEC, CANADA

TYPE OF EQUIPMENT
AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS												
1947	EQUIP. CHARTS												
1948	EQUIP. CHARTS												
1949	EQUIP. CHARTS												
1950	EQUIP. CHARTS												
1951	EQUIP. CHARTS												
1952	EQUIP. CHARTS												
1953	EQUIP. CHARTS							X F	X F	X F	X F	X F	X F
1954	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1955	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1956	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1957	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1958	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1959	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1960	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NWRC card holdings continuous beginning - Jul. 1955.
Radiation corrections effective Feb. 1, 1957.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Maniwaki, Quebec	04734	46° 22'N	75° 59'W	170	C	7-53	- - -				

MINGAN, QUEBEC, CANADA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.									R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 1	R 1	R 2	R 2	R 2	R 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 3	S 3	S 4	S 4	S 4
1949	EQUIP. OBS.	S 4	S 2	S 2	S 2	S 4	S 4	S 4	S 4	S 4	S 4	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 4	S 2	S 2	S 4	S 4				
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 03Z - Jan. and Feb. 1947. 00Z, 15Z, and 21Z - Aug. and Sept. 1948.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN									2	0	0	0	15	0	0	0
1947	RAOB RAWIN	11	0	0	0	41	2	0	0	8	0	0	0	2	0	0	0
1948	RAOB RAWIN	1	0	0	0	11	0	0	0	18	1	0	0	5	1	0	0
1949	RAOB RAWIN	21	0	0	0	60	38	29	20	28	12	10	4	11	4	3	2
1950	RAOB RAWIN	92	13	6	1	34	1	0	0	6	1	1	0				
1951	RAOB RAWIN	11	1	0	0	2	0	0	0	0	0	0	0				
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS			
						FROM	TO		NAME	FROM	TO	
Mingan, Quebec	15604	50° 17' N	64° 09' W	23	AF	- - -	8-26-50					

NITCHEQUON, QUEBEC, CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS	R	R	R	R	R	R	R	R	R	R	R	R
1947	EQUIP. CHARTS	R	R	R	R	R	R	R	R	R	R	R	R
1948	EQUIP. CHARTS	R	R	R	R	R	R	R	R	R	R	R	R
1949	EQUIP. CHARTS	R	R	R	R	R	R	R	R	R	R	R	R
1950	EQUIP. CHARTS	R	R	R	R	R	R	R	R	R	R	R	R
1951	EQUIP. CHARTS	R	R	R	R	R	R	R	R	R	R	R	R
1952	EQUIP. CHARTS	R	R	R	R	R	R	R	R	R	R	R	R
1953	EQUIP. CHARTS	R	R	R	R	R	R	R	R	R	R	R	R
1954	EQUIP. CHARTS	R	R	R	R	R	R	R	R	R	R	R	R
1955	EQUIP. CHARTS	R	R	R	R	R	R	R	R	R	R	R	R
1956	EQUIP. CHARTS	R	X	X	X	X	X	X	X	X	X	X	X
1957	EQUIP. CHARTS	X	X	X	X	X	X	X	X	X	X	X	X
1958	EQUIP. CHARTS	X	X	X	X	X	X	X	X	X	X	X	X
1959	EQUIP. CHARTS	X	X	X	X	X	X	X	X	X	X	X	X
1960	EQUIP. CHARTS	X	X	X	X	X	X	X	X	X	X	X	X

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NWRC card holdings - Jan. 1946 thru Dec. 1949 and continuous beginning - Jul. 1955. Radiation corrections effective Feb. 14, 1957.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Nitchequon, Quebec	15703	53° 12'N	70° 35'W	515	C	1-46	9-57				
Nitchequon, Quebec	15703	53° 12'N	70° 54'W	515	C	10-57	- - -	13 W			

PORT HARRISON, QUEBEC, CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1947	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1948	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1949	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1950	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1951	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1952	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1953	EQUIP. CHARTS	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F	R F
1954	EQUIP. CHARTS	R F	R F	R F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1955	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1956	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1957	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1958	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1959	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F
1960	EQUIP. CHARTS	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F	X F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NWRC card holdings continuous beginning - Jan. 1946.
Summaries available on file - Mar. thru May 1950 and on film - Jan. 1951.
Radiation corrections effective Mar. 1, 1957.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Port Harrison, Quebec	15704	58° 27'N	78° 08'W	17	C	1-46	- - -				

SEPT ILES, QUEBEC, CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS												
1947	EQUIP. CHARTS												
1948	EQUIP. CHARTS												
1949	EQUIP. CHARTS												
1950	EQUIP. CHARTS												
1951	EQUIP. CHARTS												
1952	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1953	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1954	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1955	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1956	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1957	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1958	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1959	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F
1960	EQUIP. CHARTS	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F	S F

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NWC card holdings continuous beginning - Jul. 1955.
Radiation corrections effective Jul. 15, 1957.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Sept Iles, Quebec	15613	50° 13'N	66° 16'W	53	C	1-52	10-58				
Sept Iles, Quebec (Also known as Seven Islands)	15613	50° 13'N	66° 16'W	52	C	11-58	- - -				

WHITEHORSE, YUKON TERRITORY, CANADA

TYPE OF EQUIPMENT AND SOURCE DOCUMENT

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. CHARTS					R	R	R	R	R	S	S	S
1947	EQUIP. CHARTS	S	S	S	S	S	S	S	S	S	S	S	S
1948	EQUIP. CHARTS	S	S	S	S	S	S	S	S	S	S	S	S
1949	EQUIP. CHARTS	S	S	S	S	S	S	S	S	S	S	S	S
1950	EQUIP. CHARTS	S	S	S	S	S	S	S	S	S	S	S	S
1951	EQUIP. CHARTS	S	S	S	S	S	S	S	S	S	S	S	S
1952	EQUIP. CHARTS	S	S	S	S	S	S	S	S	S	S	S	S
1953	EQUIP. CHARTS	S	S	S	S	S	S	S	S	S	S	S	S
1954	EQUIP. CHARTS	S	S	S	S	S	S	S	S	S	S	S	S
1955	EQUIP. CHARTS	S	S	S	S	S	S	S	S	S	S	S	S
1956	EQUIP. CHARTS	S	S	S	S	S	S	S	S	S	S	S	S
1957	EQUIP. CHARTS	S	S	S	S	S	S	S	S	S	S	S	S
1958	EQUIP. CHARTS	S	S	S	S	S	S	S	S	S	S	S	S
1959	EQUIP. CHARTS	S	S	S	S	S	S	S	S	S	S	S	S
1960	EQUIP. CHARTS	S	S	S	S	S	S	S	S	S	S	S	S

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: NWAC card holdings - Jan. 1948 thru Dec. 1949 and continuous beginning - Jul. 1955. Summaries available on film - Feb. 1950. Radiation corrections effective Oct. 17, 1954.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Whitehorse, Yukon Terr.	26316	60° 42'N	135° 07'W	756	C	5-46	9-48				
Whitehorse, Yukon Terr.	26316	60° 43'N	135° 04'W	698	C	10-48	- - -	2 ENE			

IKATEQ, GREENLAND

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.										S 2	S 2	S 1
1947	EQUIP. OBS.	S 1				S 1	S 1	S 2	S 1				
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN													2 0	0 0	0 0	0 0
1947	RAOB RAWIN	0 0	0 0	0 0	0 0	1 0	0 0	0 0	0 0	1 0	0 0	0 0	0 0				
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: 04Z - Dec. 1946, Jan. 1947, May and June 1947. 16Z - Aug. 1947.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Ikatq, Greenland	16302	65° 56'N	36° 41'W	56	AF	- - -	8-19-47				

MARRAK POINT, GREENLAND

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2			
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN													2	1	1	0
1948	RAOB RAWIN	15	1	0	0	45	3	1	0	44	7	1	0				
1949	RAOB RAWIN					3	0	0	0	1	0	0	0				
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS			
						FROM	TO		NAME	FROM	TO	
Marrak Point, Greenland	16503	63° 26'N	51° 11'W	75	AF	- - -	9-18-48					

NARSARSSUAK, GREENLAND

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S 2	S 2	S 2	S 1	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 1
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 3	S 3	S 4	
1948	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S
1949	EQUIP. OBS.	S 4	S 2	S 2	S 3	S 4	S 4	S 4	S 4	S 4	S 4	S 2	S
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 4	S 4	S 4	S 4	S
1951	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S
1952	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	G
1953	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G
1954	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G
1955	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G
1956	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G
1957	EQUIP. OBS.	G 4	G 4	G 2	G 2	G 2	G 2	G 2	G 3	G 3	G 2	G 2	G
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 3	G 2	G 2	G 2	G 2	G 2	G
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	3 0	0 0	0 0	0 0	5 0	0 0	0 0	0 0	20 2	4 0	0 0	0 0	32 10	0 0	0 0	0 0
1947	RAOB RAWIN	15 9	0 0	0 0	0 0	28 11	3 0	0 0	0 0	13 5	0 0	0 0	0 0	4 0	0 0	0 0	0 0
1948	RAOB RAWIN	13 3	0 0	0 0	0 0	41 12	1 0	0 0	0 0	61 13	2 0	0 0	0 0	40 9	0 0	0 0	0 0
1949	RAOB RAWIN	9 3	0 0	0 0	0 0	19 6	1 0	0 0	0 0	49 20	14 5	12 5	5 2	10 5	0 0	0 0	0 0
1950	RAOB RAWIN	13 6	0 0	0 0	0 0	37 32	22 13	17 9	3 2	69 41	13 4	10 3	3 1	27 9	3 0	1 0	1 0
1951	RAOB RAWIN	27 2	2 0	2 0	1 0	71 8	47 3	36 2	16 2	85 8	53 2	49 2	21 1	44 6	34 6	22 3	7 0
1952	RAOB RAWIN	49 14	20 5	19 5	9 4	53 4	24 2	18 0	3 0	48 9	25 3	16 0	6 0	66 23	33 12	20 7	3 0
1953	RAOB RAWIN	77 60	36 26	25 15	3 3	114 90	62 49	43 32	3 2	112 91	80 65	58 49	4 4	84 63	40 30	23 18	0 0
1954	RAOB RAWIN	87 67	41 33	20 16	0 0	120 96	73 57	42 33	1 1	129 118	89 80	63 45	15 4	116 88	78 61	35 29	2 1
1955	RAOB RAWIN	157 135	100 83	64 50	19 16	171 163	135 128	107 101	10 10	172 160	151 139	135 122	23 17	133 127	93 90	61 59	10 5
1956	RAOB RAWIN	123 111	78 68	58 47	13 5	167 163	139 134	117 110	19 13	174 173	164 161	144 138	26 14	125 120	86 85	70 67	13 6
1957	RAOB RAWIN	106 102	69 63	49 45	3 2	119 114	76 75	55 53	5 4	141 134	113 107	99 95	16 12	83 49	39 27	26 21	2 0
1958	RAOB RAWIN	91 67	32 26	24 20	3 2	115 89	73 55	64 49	21 15	136 134	116 114	108 107	56 56	37 33	23 20	20 18	1 0
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: 16Z - Apr. 1946. 04Z - Dec. 1946. 04Z, 10Z, and 16Z - Aug. thru Oct. 1947. 03Z, 09Z, and 15Z - Apr. 1949. 00Z, 12Z, and 16Z - Aug. and Sept. 1957. 00Z, 02Z, and 12Z - Jan. 1958. First GMDIA - Nov. 25, 1952.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Narsarsuak, Greenland	16405	61° 11'N	45° 25'W	4	AF	- - -	10-29-58				

SONDRESTROM, GREENLAND

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 1						S 2	S 2	S 2	S 2	S 2	S 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 3	S 3	S 3	S 3	S 3
1948	EQUIP. OBS.	S 2	S 2	S 2	S 4	S 3	S 3	S 4	S 4	S 4	S 4	S 4	S 4
1949	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2								
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 04Z - Jan. 1946. 04Z, 10Z, and 16Z - Aug. thru Dec. 1947. 03Z, 09Z, and 15Z - May and Jun. 1948.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	0	0	0	0					61	6	0	0	12	0	0	0
1947	RAOB RAWIN	7	1	0	0	48	5	0	0	45	1	0	0	16	0	0	0
1948	RAOB RAWIN	6	0	0	0	37	0	0	0	31	0	0	0	8	0	0	0
1949	RAOB RAWIN	15	0	0	0	56	1	0	0	42	2	0	0	12	0	0	0
1950	RAOB RAWIN	6	0	0	0	26	0	0	0	21	0	0	0	4	0	0	0
1951	RAOB RAWIN	1	0	0	0	4	0	0	0								
1952	RAOB RAWIN	0	0	0	0	0	0	0	0								
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Sondrestrom, Greenland (AFB)	16504	67° 00'N	50° 48'W	46	AF	- - -	4-10-50				

THULE, GREENLAND

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.										S 1	S 1	S 1
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1954	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1955	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1956	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1957	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1958	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1959	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1960	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN													8 2	0 0	0 0	0 0
1947	RAOB RAWIN	16 12	0 0	0 0	0 0	70 60	3 2	0 0	0 0	89 83	8 4	1 1	0 0	16 12	0 0	0 0	0 0
1948	RAOB RAWIN	5 5	0 0	0 0	0 0	71 54	8 8	3 3	0 0	82 46	6 4	2 2	0 0	26 15	0 0	0 0	0 0
1949	RAOB RAWIN	6 3	0 0	0 0	0 0	29 7	0 0	0 0	0 0	26 16	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1950	RAOB RAWIN	7 6	0 0	0 0	0 0	130 79	76 47	40 16	9 0	107 55	54 26	27 7	3 0	95 28	8 4	2 1	0 0
1951	RAOB RAWIN	97 11	15 3	0 0	0 0	130 7	73 4	17 0	0 0	114 32	74 17	29 8	0 1	82 8	21 0	2 0	0 0
1952	RAOB RAWIN	85 2	30 0	9 0	0 0	120 13	76 5	23 1	0 0	107 42	64 30	39 24	5 2	58 41	16 12	9 6	0 0
1953	RAOB RAWIN	18 10	2 1	2 1	0 0	94 65	64 38	45 25	4 3	93 64	59 27	5 8	4 2	144 128	70 61	22 3	0 0
1954	RAOB RAWIN	133 100	55 37	26 16	2 2	157 103	137 59	97 23	2 2	165 143	135 109	89 67	9 6	167 146	71 69	22 20	3 3
1955	RAOB RAWIN	142 138	89 89	36 36	0 0	171 163	153 145	106 98	2 2	162 156	154 149	146 142	5 5	147 147	75 75	39 39	9 9
1956	RAOB RAWIN	89 80	40 40	27 27	2 2	178 170	170 160	160 17	17 17	181 180	174 172	157 156	17 17	169 169	140 140	85 85	7 7
1957	RAOB RAWIN	104 104	77 77	59 59	0 0	168 167	143 142	116 114	2 2	177 171	164 159	151 145	9 9	176 175	158 157	120 119	2 2
1958	RAOB RAWIN	171 170	137 136	100 100	1 1	176 175	157 156	141 141	57 56	179 176	172 169	163 161	106 105	181 164	162 145	127 111	18 17
1959	RAOB RAWIN	169 168	136 133	89 83	15 11	180 177	170 168	157 151	59 37	179 178	176 175	176 173	94 73	181 181	157 152	118 115	28 17
1960	RAOB RAWIN	175 174	150 142	110 94	11 7	181 179	178 174	169 167	50 34	179 176	175 174	171 169	56 41	61 60	59 59	57 57	13 7

REMARKS: 152 - Oct. thru Dec. 1946. First GNDIA - Jul. 27, 1954.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS			
						FROM	TO		NAME	FROM	TO	
Thule, Greenland (WBO)	17602	76° 33'N	68° 49'W	39	WB	10-1-46	8- 1-52					
Thule, Greenland (Opt. Site)	17605	76° 33'N	68° 49'W	34	AF	8-1-52	10-31-60					

WALRUS BAY, GREENLAND

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.						S 2	S 2	S 2	S 2	S 2	S 2	
1947	EQUIP. OBS.	S 2	S 1				S 2	S 2			S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2						
1949	EQUIP. OBS.		S 2	S 2	S 2	S 2	S 2						
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 162 - Feb. 1947.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN					11 0	4 0	0 0	0 0	39 0	15 0	1 0	0 0	2 0	0 0	0 0	0 0
1947	RAOB RAWIN	0 0	0 0	0 0	0 0	10 0	1 0	0 0	0 0	8 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1948	RAOB RAWIN	0 0	0 0	0 0	0 0												
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Walrus Bay, Greenland	17202	70° 30'N	21° 58'W	7	AF	- - -	7-31-49				

KEFLAVIK, ICELAND

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	OEC
1946	EQUIP. OBS.	S 2					S 2	S 2	S 2	S 2	S 2	S 2	S 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1953	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1954	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1955	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1956	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1957	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1958	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1959	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1960	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4

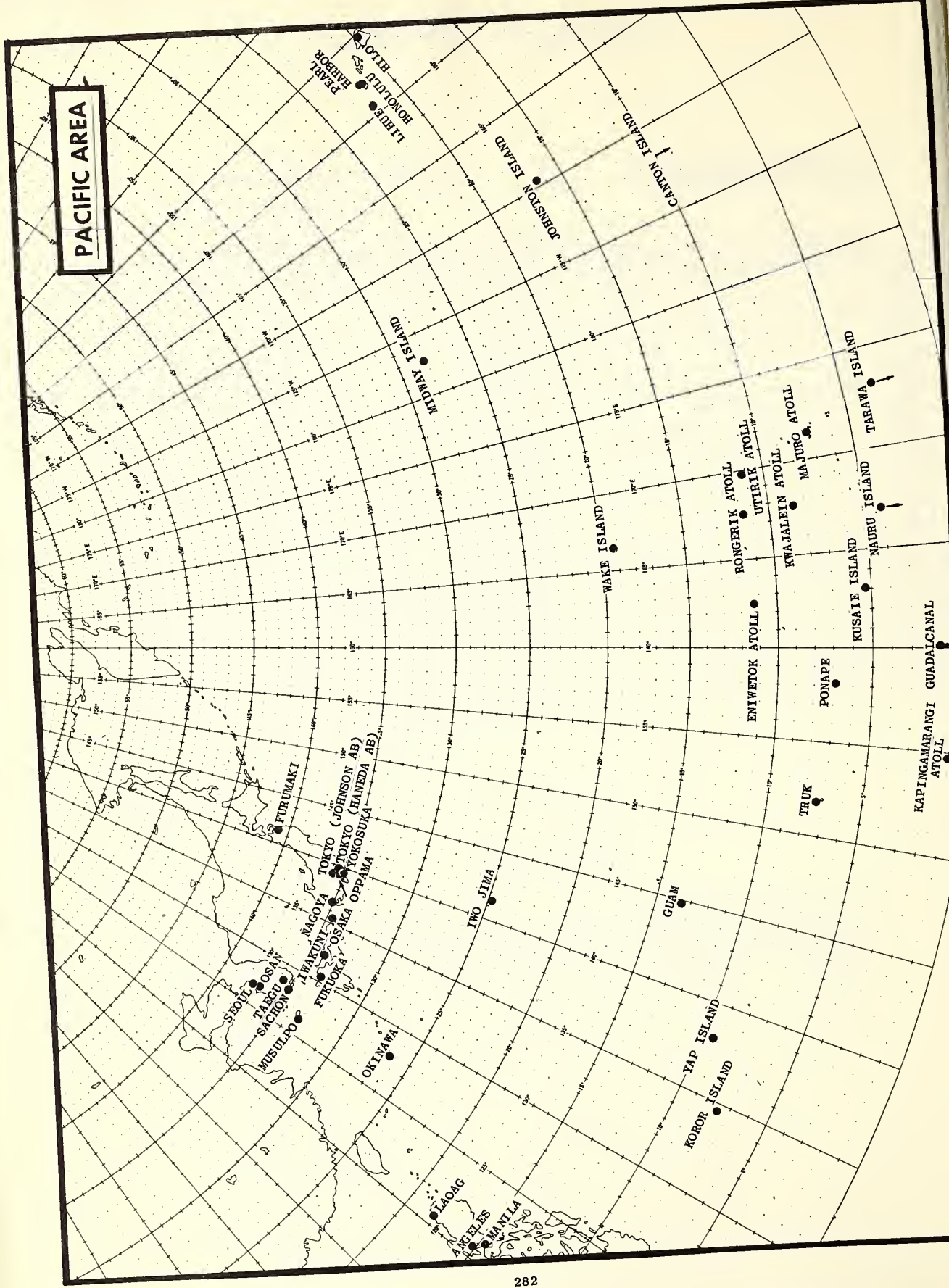
YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	0 0	0 0	0 0	0 0					51 30	1 0	0 0	0 0	14 3	0 0	0 0	0 0
1947	RAOB RAWIN	27 6	4 0	0 0	0 0	31 15	0 0	0 0	0 0	32 11	0 0	0 0	0 0	30 13	1 0	0 0	0 0
1948	RAOB RAWIN	14 3	1 0	1 0	0 0	45 22	6 5	1 0	0 0	45 6	1 0	0 0	0 0	20 6	1 0	0 0	0 0
1949	RAOB RAWIN	3 0	0 0	0 0	0 0	37 2	8 0	2 0	0 0	20 2	0 0	0 0	0 0	16 3	0 0	0 0	0 0
1950	RAOB RAWIN	34 9	5 0	2 0	0 0	95 20	39 1	13 1	1 0	114 17	46 4	13 2	0 0	96 22	21 2	13 0	1 0
1951	RAOB RAWIN	77 13	43 2	26 1	4 0	139 9	97 2	70 1	16 0	115 29	81 7	53 1	8 0	42 10	18 2	9 2	3 0
1952	RAOB RAWIN	30 6	23 6	20 3	6 1	80 14	49 7	39 2	10 0	73 20	42 7	35 1	16 0	17 11	3 1	2 0	0 0
1953	RAOB RAWIN	86 65	39 31	9 0	0 0	134 121	112 102	85 73	18 14	126 102	90 73	63 47	5 3	76 60	35 29	16 11	0 0
1954	RAOB RAWIN	119 115	59 55	29 26	0 0	147 132	107 95	84 74	9 6	169 154	137 124	103 94	18 15	97 90	50 48	33 31	1 1
1955	RAOB RAWIN	149 139	121 114	94 85	7 7	151 157	128 122	101 99	4 4	165 157	148 135	123 108	13 11	149 141	90 83	62 58	5 5
1956	RAOB RAWIN	135 122	79 69	50 46	4 3	172 168	155 149	138 132	49 34	178 177	157 156	137 136	47 30	154 148	135 129	107 99	7 3
1957	RAOB RAWIN	169 164	156 151	144 134	44 33	177 173	169 163	154 149	81 69	184 178	180 177	165 161	47 31	170 164	153 149	126 120	19 10
1958	RAOB RAWIN	168 162	156 149	135 128	31 17	174 173	172 171	168 165	107 100	178 170	177 165	170 162	80 70	175 165	157 153	140 135	34 22
1959	RAOB RAWIN	174 159	162 145	141 129	83 61	181 177	177 174	166 161	73 54	183 181	178 176	163 157	62 43	182 177	163 156	140 133	32 20
1960	RAOB RAWIN	178 171	160 156	136 129	27 16	177 166	167 164	153 152	37 26	173 168	166 159	149 142	32 17	174 170	161 153	136 129	17 9

REMARKS: First GMDA - Nov. 9, 1952.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Keflavik, Iceland (Int'l. AP)	16201	63° 57'N	22° 37'W	49	AP	- - -	4-30-47				
Keflavik, Iceland (Meeks Fld.)	16204	63° 57'N	22° 37'W	48	WB	5-1-47	11-30-49				
Keflavik, Iceland (Meeks Fld.)	16204	63° 57'N	22° 37'W	49	WB	12-1-49	8-31-51				
Keflavik, Iceland (Int'l. AP)	16201	63° 57'N	22° 37'W	49	AP	8-31-51	- - -				

PACIFIC AREA



List of Abbreviations and Codes Used in this Section

Equipment - Principal type of equipment used in radiosonde or rawinsonde observations during the month.

- R Radiosonde equipment only. Original radiosonde observation form (WBAN 31A, B, and C) available with or without wind data. Wind data, if reported, are observed by theodolite and are defined as rabal. In some cases the "R" denotes wind data available, but type of equipment is unknown.
- S Radio Direction Finding equipment (manual tracking such as the SCR-658).
- S5 Radiosonde equipment and SCR-584 (radar tracking equipment).
- G Radio Direction Finding equipment (automatic tracking) such as GMD-1 and 2 and the later modified models of each. Also, printed computer data raobs where noted in footnotes.
- U Unknown

Observations - Number of regularly scheduled observations per day.

- M Wind data and equipment known and available, but hours of radiosonde observation unknown and raob forms not available.
- # Less than ten observations for the month.

Period of Record - Indicates "from the beginning" or "to the end" (whichever applies) of the period of record covered by this documentation.

Service - Official meteorological service that operated a station.

- A U. S. Army
- AF U. S. Air Force
- N U. S. Navy
- WB U. S. Weather Bureau
- C Meteorological Service of Canada

KAPINGAMARANGI ATOLL, CAROLINE ISLANDS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.			G 4	G 4	G 4	G 4	G 4					
1957	EQUIP. OBS.												
1958	EQUIP. OBS.			G 3	G 4	G 4	G 4	G 4					
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: First GMDIA - Mar. 26, 1956, ended Jul. 23, 1956. OQZ, 12Z, and 13Z - Mar. 1958. First GMDIA - Mar. 25, 1958, ended Jul. 28, 1958.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN	7 7	7 5	4 2	1 1	157 155	149 149	145 142	63 54	46 46	45 45	44 44	10 10				
1957	RAOB RAWIN																
1958	RAOB RAWIN	23 11	23 11	21 11	19 8	165 165	163 162	156 153	84 78	51 50	46 45	44 42	25 21				
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Kapingamarangi Atoll	40507	01° 04' N	154° 45' E	1	AF	3-26-56	7-23-56				
Kapingamarangi Atoll	40507	01° 02' N	154° 47' E	2	AF	3-25-58	7-28-58	3 SE			

KUSAIE ISLAND, CAROLINE ISLANDS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.											
1947	EQUIP. OBS.											
1948	EQUIP. OBS.											
1949	EQUIP. OBS.											
1950	EQUIP. OBS.											
1951	EQUIP. OBS.	G 4	G 4	G 4	G 4							
1952	EQUIP. OBS.								S 2	S 4	S 4	
1953	EQUIP. OBS.											
1954	EQUIP. OBS.	G 2	G 4	G 4	G 2							
1955	EQUIP. OBS.											
1956	EQUIP. OBS.		G 2#	G 4	G 4	G 4	G 4					
1957	EQUIP. OBS.											
1958	EQUIP. OBS.		G 4	G 4	G 4	G 4	G 4	G 4				
1959	EQUIP. OBS.											
1960	EQUIP. OBS.											

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN	7 6	3 3	1 1	0 0	61 51	30 26	22 19	5 4								
1952	RAOB RAWIN									8 7	6 5	3 2	1 1	81 80	47 46	33 32	5 5
1953	RAOB RAWIN																
1954	RAOB RAWIN	123 123	77 77	70 69	6 6	61 61	46 46	46 45	9 9								
1955	RAOB RAWIN																
1956	RAOB RAWIN	3 3	3 3	2 2	0 0	137 132	115 115	109 108	27 22	43 43	43 43	39 37	5 3				
1957	RAOB RAWIN																
1958	RAOB RAWIN	25 24	22 21	22 21	13 12	164 163	148 147	138 137	77 77	61 61	56 56	53 53	28 28				
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: First GMD1 - Feb. 21, 1951, ended May 25, 1951. First and last obs. - Sept. 23, 1952 thru Nov. 20, 1952, Jan. 14, 1954 thru May 15, 1954, Mar. 30, 1956 thru Jul. 22, 1956, and Mar. 18, 1958 thru Aug. 4, 1958.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Kusaie Island	40605	05° 20'N	163° 05'E	106	AF	2-21-51	5-25-51				
Kusaie Island	40605	05° 20'N	163° 01'E	0	AF	9-23-52	11-20-52	4 W			
Kusaie Island	40605	05° 11'N	163° 00'E	3	AF	1-14-54	5-15-54	9 SSW			
Kusaie Island	40606	05° 22'N	163° 00'E	2	AF	3-30-56	7-22-56	11 N			
Kusaie Is. (East Carolines)	40606	05° 20'N	163° 01'E	2	AF	3-18-58	8- 4-58	2 SSE			

PONAPE, CAROLINE ISLANDS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.							S	S	S	S	S	S
1952	EQUIP. OBS.	S	S	S	R	R	R	R	R	S	S	S	R
1953	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1954	EQUIP. OBS.	G	G	G	G	G	G	S	S	S	S	S	S
1955	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1956	EQUIP. OBS.	S	S	S	G	G	G	G	G	G	G	G	G
1957	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1958	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1959	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1960	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G

REMARKS: Raob summaries available - Nov. 1950 thru Apr. 1951. 032 - Jul. 1951 thru Aug. 1952, Jan. thru Dec. 1953, Jul. 1954 thru Jan. 1955, and Aug. 1956 thru May 1957. 002 - Jan. thru Aug. 1957. 122 - Sept. 1957 thru Feb. 1958 and Sept. 1958 thru Dec. 1960. First GMDIA - Jan. 15, 1954, Raob plus SCR 658 - Jun. 16, 1954, and GMDIA - Mar. 16, 1956.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN													20	3	0	0
1951	RAOB RAWIN	34	7	2	0	5	1	0	0	65	55	30	0	75	65	42	0
1952	RAOB RAWIN	80	69	29	0	72	69	56	3	83	75	60	1	126	94	82	5
1953	RAOB RAWIN	80	73	58	2	84	75	68	0	78	70	47	1	86	77	63	0
1954	RAOB RAWIN	149	106	99	14	121	100	89	14	63	57	35	1	67	49	22	0
1955	RAOB RAWIN	118	83	54	0	92	57	20	0	96	73	30	0	87	53	24	1
1956	RAOB RAWIN	110	75	53	1	271	267	215	28	169	160	140	14	81	68	36	0
1957	RAOB RAWIN	68	43	8	0	75	46	0	0	80	74	68	17	91	81	72	32
1958	RAOB RAWIN	107	94	76	11	337	306	204	90	175	157	141	60	76	45	41	15
1959	RAOB RAWIN	82	61	58	8	85	69	63	0	82	68	61	1	84	56	46	1
1960	RAOB RAWIN	67	27	17	3	67	22	12	4	78	64	63	50	72	40	34	18

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Ponape	40503	06° 58'N	158° 13'E	50	N	11--	50 4 -- 51				
Ponape	40504	06° 58'N	158° 13'E	34	WB	7-	1-51 9-23-52				
Ponape	40506	06° 58'N	158° 13'E	34	AF	9-26-	5-21-21-52				
Ponape	40504	06° 58'N	158° 13'E	34	WB	12-	1-52 1-14-54				
Ponape	40506	06° 59'N	158° 13'E	34	AF	1-15-54	5-15-54	1 N			
Ponape	40504	06° 58'N	158° 13'E	34	WB	5-16-54	3-15-56	1 S			
Ponape	40504	06° 58'N	158° 13'E	36	WB	3-16-56	7-31-56				
Ponape	40504	06° 58'N	158° 13'E	39	WB	8-	1-56 3-31-57				
Ponape	40504	06° 58'N	158° 13'E	37	WB	4-	1-57 1-30-58				
Ponape	40504	06° 58'N	158° 13'E	45	WB	1-31-58	4-15-58				
Ponape	40504	06° 58'N	158° 13'E	39	WB	4-16-58	--				

TRUK, CAROLINE ISLANDS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.						R	R	R	R	R	R	R
1952	EQUIP. OBS.	R	R	R	S	S	S	S	S	S	S	S	S
1953	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1954	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1955	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1956	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1957	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1958	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1959	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1960	EQUIP. OBS.	S	S	S	S	S	G	G	G	G	G	G	G

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN									2	0	0	0	12	0	0	0
1951	RAOB RAWIN	16	0	0	0					10	7	2	0	12	4	0	0
1952	RAOB RAWIN	8	3	0	0	36	12	0	0	56	25	12	0	78	63	18	0
1953	RAOB RAWIN	78	64	21	0	33	8	0	0	52	23	11	0	73	61	13	0
1954	RAOB RAWIN	70	56	24	1	41	28	12	0	35	25	18	0	70	63	39	0
1955	RAOB RAWIN	83	59	32	0	105	74	12	0	104	77	36	4	85	54	34	0
1956	RAOB RAWIN	100	66	38	0	86	51	25	0	77	61	22	0	64	34	7	0
1957	RAOB RAWIN	54	24	3	0	69	39	0	0	86	80	71	12	76	60	55	16
1958	RAOB RAWIN	88	68	59	20	176	162	148	45	116	109	106	34	74	40	36	4
1959	RAOB RAWIN	85	76	67	0	89	73	67	0	68	51	45	4	72	52	48	1
1960	RAOB RAWIN	69	28	22	0	65	29	18	1	44	30	29	18	58	26	22	12

REMARKS: Raob summaries available - Jun. 1950 thru Mar. 1951. 03Z - Jul. 1951 thru Jan. 1955 and Aug. 1956 thru May 1957. 00Z - Jun. thru Aug. 1957. 12Z - Sept. 1957 thru Feb. 1958, and Sept. 1958 thru Dec. 1960. First Raob plus SCR 658 - Apr. 11, 1952.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Truk Island	40502	07° 27'N	151° 50'E	20	N	6-5-50	3-30-51				
Truk Island	40505	07° 27'N	151° 50'E	2	WB	7-1-51	4-30-52				
Truk Island	40505	07° 27'N	151° 50'E	7	WB	5-1-52	7-31-57				
Truk Island	40505	07° 27'N	151° 51'E	7	WB	8-1-57	- - -	1 E			

YAP ISLAND, CAROLINE ISLANDS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.						R 2	R 2	R 2	R 2		R 2	
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	
1951	EQUIP. OBS.	R 4	R 2	R 4	R 4	S 1		S 1	S 1	S 1	S 1	S 1	
1952	EQUIP. OBS.	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	
1953	EQUIP. OBS.	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	
1954	EQUIP. OBS.	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	
1955	EQUIP. OBS.	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1957	EQUIP. OBS.	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	
1958	EQUIP. OBS.	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	
1959	EQUIP. OBS.	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	
1960	EQUIP. OBS.	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN									13 0	0 0	0 0	0 0				
1950	RAOB RAWIN	8 0	0 0	0 0	0 0	10 0	0 0	0 0	0 0	6 0	0 0	0 0	0 0	14 4	3 1	1 0	0 0
1951	RAOB RAWIN	14 12	5 5	2 1	0 0	14 12	9 7	2 1	0 0	22 19	15 12	8 3	1 0	54 36	27 36	16 9	0 0
1952	RAOB RAWIN	60 50	25 21	10 6	0 0	59 54	42 41	25 24	0 0	63 61	34 28	5 3	0 0	72 70	59 51	15 12	0 0
1953	RAOB RAWIN	65 59	51 44	23 16	0 0	44 36	28 23	13 9	0 0	57 46	45 32	19 17	0 0	56 48	44 38	28 25	0 0
1954	RAOB RAWIN	74 68	58 53	29 27	1 0	69 57	46 41	19 12	0 0	67 61	52 49	31 23	0 0	72 64	45 44	25 17	0 0
1955	RAOB RAWIN	104 95	57 54	39 31	0 0	120 94	56 47	24 13	0 0	113 112	87 87	47 41	0 0	75 74	35 36	26 18	1 0
1956	RAOB RAWIN	83 81	48 44	21 17	0 0	89 92	61 58	27 23	0 0	69 63	48 44	16 13	0 0	69 63	41 37	6 5	0 0
1957	RAOB RAWIN	64 55	31 27	8 2	0 0	61 53	38 33	3 3	0 0	78 76	69 66	31 20	0 0	69 71	47 45	37 32	0 0
1958	RAOB RAWIN	78 85	65 66	54 44	0 0	90 88	78 76	70 61	0 0	71 68	57 48	53 42	0 0	83 83	69 68	66 63	3 0
1959	RAOB RAWIN	87 85	78 75	72 66	1 0	90 89	83 81	78 65	0 0	65 65	40 40	36 35	4 3	71 58	39 38	36 35	1 0
1960	RAOB RAWIN	57 49	31 34	24 21	0 0					52 53	44 36	40 23	5 1	66 65	51 46	46 39	4 0

REMARKS: Raob summaries available - Jan. thru Apr. 1949 and Jun. 1949.
032 - Jun. 1951, Aug. 1951 thru Jan. 1955, and Aug. 1956 thru May 1957.
002 - Jun. thru Aug. 1957, 122 - Sept. 1957 thru Dec. 1960.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Yap Island	40306	09° 31'N	138° 08'E	17	N	12-11-48	4-27-51				
Yap Island	40306	09° 31'N	138° 08'E	17	WB	6-21-51	10-31-58				
Yap Island	40306	09° 31'N	138° 08'E	23	WB	11-1-58	- - -				

TARAWA ISLAND, GILBERT ISLANDS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.		G 20	G 4	G 4	G 4	G 4	G 4					
1957	EQUIP. OBS.												
1958	EQUIP. OBS.		G 2	G 4	G 4	G 4	G 4	G 4					
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN	4 4	4 4	4 4	2 2	178 177	176 175	172 171	77 76	46 46	45 45	44 44	18 18				
1957	RAOB RAWIN																
1958	RAOB RAWIN	11 10	9 9	9 9	3 3	175 149	165 139	150 129	71 54	52 49	50 47	43 40	15 11				
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Betio, Tarawa	40711	01° 21'N	172° 56'E	4	AF	3-30-56	7-23-56				
Tarawa Is. (Hawkins Fld.)	40702	01° 21'N	172° 56'E	3	AF	3-25-58	7-28-58	2 W			

HILO, HAWAII

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1951	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1952	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1953	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1954	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1955	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1956	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1957	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1958	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1959	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1960	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S

REMARKS: 152 - Feb. 1950.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN	25	2	0	0	72	22	7	0	105	25	5	0	70	22	4	0
1951	RAOB RAWIN	80	32	10	0	122	87	50	4	149	108	60	1	88	61	46	0
1952	RAOB RAWIN	66	21	5	0	113	83	43	2	144	100	55	0	72	53	34	0
1953	RAOB RAWIN	106	28	15	0	160	133	73	1	165	136	67	0	128	56	17	0
1954	RAOB RAWIN	59	18	8	0	109	88	44	0	157	122	49	0	120	50	13	0
1955	RAOB RAWIN	148	78	30	0	160	123	62	1	157	120	78	1	124	74	38	0
1956	RAOB RAWIN	83	42	15	0	139	104	41	0	154	115	63	0	107	63	30	0
1957	RAOB RAWIN	123	70	36	1	142	111	69	0	153	121	78	0	117	42	30	0
1958	RAOB RAWIN	46	21	8	0	121	89	45	0	141	116	68	0	98	38	26	0
1959	RAOB RAWIN	143	65	22	0	146	114	50	0	164	141	89	0	93	59	43	0
1960	RAOB RAWIN	63	26	9	0	108	82	35	0	170	149	91	0	85	50	24	0
1950	RAOB RAWIN	104	75	48	0	160	138	97	0	170	151	114	2	133	87	49	1
1951	RAOB RAWIN	69	50	28	0	109	100	66	0	155	137	99	1	103	73	35	0
1952	RAOB RAWIN	142	89	63	5	178	175	159	100	181	177	131	0	184	181	118	0
1953	RAOB RAWIN	49	34	17	0	99	104	96	86	179	176	128	0	154	150	80	0
1954	RAOB RAWIN	177	174	153	0	177	175	137	0	223	222	207	30	180	177	172	1
1955	RAOB RAWIN	64	62	50	0	128	128	101	0	218	216	198	25	140	139	132	0
1956	RAOB RAWIN	176	169	161	27	178	176	168	3	184	178	146	0	181	167	126	0
1957	RAOB RAWIN	91	89	83	9	130	126	120	0	183	176	133	0	141	136	88	0
1958	RAOB RAWIN	166	150	112	1	169	159	141	8	145	129	118	6	163	150	138	3
1959	RAOB RAWIN	82	62	41	0	134	128	110	3	140	125	111	3	114	102	92	2

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Hilo, Hawaii (WBAS)	21504	19° 44'N	155° 04'W	16	WB	2-18-50	12-31-52				
Hilo, Hawaii (WBAS)	21504	19° 44'N	155° 04'W	9	WB	1- 1-52	2- 2-54				
Hilo, Hawaii (WBAS)	21504	19° 44'N	155° 04'W	11	WB	2- 3-54	7-31-57				
Hilo, Hawaii (WBAS)	21504	19° 43'N	155° 04'W	11	WB	8- 1-57	- - -	1 S			

HONOLULU, HAWAII

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	M	1	1	2	1	2	1	1	2	2	2
1947	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1948	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1949	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	2	2	2	2	2	2	2
1950	EQUIP. OBS.	S	S	R	R	R	R						
		2	2	2	2	2	2						
1951	EQUIP. OBS.												
1952	EQUIP. OBS.						R	R	R	R	R	R	R
							2	2	2	2	2	2	2
1953	EQUIP. OBS.	R	R	R	R	R							
		2	2	2	2	2							
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	7	0	0	0	14	0	0	0	4	0	0	0	0	0	0	0
		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	RAOB RAWIN	5	0	0	0	9	0	0	0	0	0	0	0	18	5	0	0
		0	0	0	0	6	0	0	0	0	0	0	0	14	4	0	0
1948	RAOB RAWIN	86	31	3	0	86	42	8	0	117	67	13	0	75	31	10	0
		36	16	0	0	60	30	6	0	96	55	6	0	61	23	7	0
1949	RAOB RAWIN	128	62	40	0	134	65	28	0	130	34	17	0	85	6	0	0
		73	33	16	0	112	56	23	0	113	30	13	0	59	1	0	0
1950	RAOB RAWIN	90	0	0	0	119	26	3	0								
		28	0	0	0	18	3	0	0								
1951	RAOB RAWIN																
1952	RAOB RAWIN									105	66	35	0	87	38	16	0
										20	14	5	0	11	4	1	0
1953	RAOB RAWIN	98	58	28	0	75	54	35	0								
		10	2	0	0	3	1	0	0								
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: WBAN 20's not available - Aug. 1946 thru Mar. 1948, Jul. thru Sept. 1948, and Dec. 1948 thru Jun. 1950. 04Z and 16Z - Jan., May, and Jul. 1946, Oct. 1946 thru Mar. 1948. 04Z - Mar., Jun., Aug., and Sept. 1946. Rabal beginning Jul. 1952, 03Z and 15Z and ending May 15, 1953.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Honolulu, Hawaii (Hickam Fld.)	22504	21° 20'N	157° 57'W	8	AF	12-17-45	7-10-46				
Honolulu, Hawaii (John Rodgers Fld.)	22521	21° 20'N	157° 55'W	4	WB	7-11-46	5-31-49	2 E			
Honolulu, Hawaii (John Rodgers Fld.)	22521	21° 20'N	157° 55'W	3	WB	6- 1-49	6-30-50				
Honolulu, Hawaii (Honolulu AP)	22521	21° 20'N	157° 55'W	3	WB	7- 1-52	5-31-53				

LIHUE, HAWAII

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.	R 1	R 1	R 1	S 1	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1952	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

REMARKS: 152 - Feb. thru May 1950. First Raob plus SCR 658 - May 14, 1950.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN	28 0	5 0	0 0	0 0	93 53	28 19	4 4	0 0	121 117	57 55	23 21	1 0	91 68	19 15	3 1	0 0
1951	RAOB RAWIN	106 82	36 26	6 3	0 0	144 130	112 102	70 55	1 1	165 160	124 113	78 69	2 0	108 89	67 63	53 52	2 0
1952	RAOB RAWIN	150 99	88 61	56 44	1 1	170 149	160 139	108 88	1 0	175 173	155 151	95 86	0 0	152 138	85 78	34 26	0 0
1953	RAOB RAWIN	151 118	90 70	45 38	0 0	168 163	138 134	80 67	0 0	175 161	158 155	118 116	1 1	147 113	90 79	40 33	4 1
1954	RAOB RAWIN	148 63	109 47	69 25	0 0	129 105	95 77	63 53	0 0	169 162	151 145	103 93	0 0	137 109	55 46	33 25	0 0
1955	RAOB RAWIN	167 90	100 54	53 23	0 0	156 151	126 125	62 53	0 0	172 175	160 164	96 93	1 0	104 107	66 66	43 28	0 0
1956	RAOB RAWIN	105 84	71 54	34 26	1 0	169 158	153 146	95 86	0 0	176 178	159 162	109 101	0 0	140 132	107 96	48 37	1 1
1957	RAOB RAWIN	140 84	89 58	37 18	0 0	117 159	110 137	96 130	0 0	182 181	177 177	130 129	3 1	181 171	171 168	141 134	10 4
1958	RAOB RAWIN	175 83	169 78	152 70	23 6	177 161	175 157	141 121	0 0	228 226	220 222	204 200	14 9	179 142	172 138	166 133	32 10
1959	RAOB RAWIN	178 101	175 100	169 97	44 19	182 148	178 145	168 134	0 0	182 182	173 177	137 132	0 0	177 168	161 149	117 97	1 0
1960	RAOB RAWIN	168 133	152 122	105 77	3 1	168 167	160 158	149 142	19 10	151 155	131 131	124 122	6 4	170 169	156 155	143 136	6 3

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Lihue, Kauai, Hawaii	22536	21° 59'N	159° 21'W	36	WB	2-1-50	- - -				

PEARL HARBOR, HAWAII

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.						R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2							
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN					14 2	7 0	3 0	0 0	135 26	88 3	54 1	1 0	103 9	41 0	17 0	0 0
1951	RAOB RAWIN	16 0	2 0	0 0	0 0	22 0	17 0	7 0	0 0	101 0	32 0	12 0	0 0	75 0	7 0	5 0	0 0
1952	RAOB RAWIN	15 0	0 0	0 0	0 0	75 6	40 2	15 0	0 0								
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: WBAN 31's not available - Jan. 1950 thru Dec. 1951.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Pearl Harbor, Hawaii (NAS)	22517	21° 21'N	157° 57'W	3	N	1-1-42	6-30-52				

FUKUOKA, JAPAN

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.				R	S			S	S	S	S	S
1948	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1949	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1950	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1951	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1952	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1953	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1954	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1955	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1956	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1957	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: First GND1A - Dec. 31, 1952.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN					11	0	0	0	2	0	0	0	19	0	0	0
1948	RAOB RAWIN	14	0	0	0	46	0	0	0	55	0	0	0	32	0	0	0
1949	RAOB RAWIN	29	0	0	0	47	6	1	0	31	2	1	1	19	0	0	0
1950	RAOB RAWIN	6	0	0	0	46	7	3	0	56	13	10	1	60	38	34	15
1951	RAOB RAWIN	50	17	11	2	68	41	34	13	61	42	34	14	57	40	27	11
1952	RAOB RAWIN	69	38	24	12	82	64	46	10	65	54	48	2	91	60	36	4
1953	RAOB RAWIN	89	49	23	1	131	90	56	1	105	65	43	3	71	40	35	4
1954	RAOB RAWIN	78	33	26	1	83	45	40	4	116	82	62	18	81	36	17	1
1955	RAOB RAWIN	68	37	29	3	169	121	80	2	161	146	137	30	172	167	164	68
1956	RAOB RAWIN	155	132	104	45	177	156	132	73	135	130	91	35	173	156	114	62
1957	RAOB RAWIN	177	156	114	37	179	166	136	62	13	8	5	3				
1958	RAOB RAWIN	41	41	42	14	141	134	119	54	13	8	5	3				
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Fukuoka, Japan (Itazuke AB)	43310	33° 35'N	130° 27'E	7	AF	5-29-47	9-9-56				
Fukuoka, Japan (Brady AB)	43316	33° 38'N	130° 30'E	14	AF	10-4-56	7-7-57	4 NE			

FURUMAKI, JAPAN

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.				S	S	S	S	S	S	S	S	S
1949	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1950	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1951	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1952	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1953	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1954	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1955	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1956	EQUIP. OBS.								G	M	G	M	G
1957	EQUIP. OBS.	G	G	G	G	G							
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN					10	0	0	0	49	0	0	0	25	0	0	0
1949	RAOB RAWIN	20	0	0	0	50	3	0	0	30	0	0	0	42	5	0	0
1950	RAOB RAWIN	92	3	0	0	61	0	0	0	40	0	0	0	77	30	22	10
1951	RAOB RAWIN	40	17	12	1	81	45	38	23	97	66	56	31	98	56	43	20
1952	RAOB RAWIN	67	53	40	14	77	44	30	4	107	76	66	37	58	31	25	5
1953	RAOB RAWIN	134	87	61	9	147	118	88	22	132	97	76	19	107	80	49	3
1954	RAOB RAWIN	118	74	53	3	118	64	42	3	113	82	69	7	81	51	37	3
1955	RAOB RAWIN	110	66	44	0	93	65	40	2		81	68	5	56	36	27	3
1956	RAOB RAWIN	83	42	33	0	84	59	35	2								
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: First GNDIA - Dec. 14, 1952. WBAN 31's and 33's not available - Sept. 1956 thru May 7, 1957. Rawins taken - 002, 06Z, 12Z, and 18Z.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Furumaki, Japan (Misawa AB)	44402	40° 41'N	141° 22'E	37	AF	5-23-48	5-7-57				

IWAKUNI, JAPAN

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.						R 2	R 2	R 2	R 2	R 2	R 2	
1956	EQUIP. OBS.	R 2	R 2	R 2	R 2							R 2	
1957	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN									118 0	76 0	41 0	0 0	80 0	34 0	25 0	0 0
1956	RAOB RAWIN	47 0	13 0	7 0	0 0	8 0	2 0	1 0	0 0					1 0	0 0	0 0	0 0
1957	RAOB RAWIN	40 0	20 0	11 0	0 0	55 0	24 0	13 0	1 0	75 0	36 0	14 0	0 0	57 0	23 0	7 0	0 0
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Iwakuni, Japan	43324	34° 09' N	132° 14' E	3	N	7-4-55	12-31-57				

NAGOYA, JAPAN

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. DBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.				S	S	S	S	S	S	S	S	S
1950	EQUIP. DBS.	S	S	S	S	S	S	S	S	S	S	S	S
1951	EQUIP. DBS.	S	S	S	S	S	S	S	S	S	S	S	S
1952	EQUIP. OBS.	S	S	S	S	S	S	S	G	G	G	G	G
1953	EQUIP. DBS.	G	G	G	G	G	G	G	G	G	G	G	G
1954	EQUIP. DBS.	G	G	G	G	G	G	G	G	G	G	G	G
1955	EQUIP. DBS.	G	G	G	G	G	G	G	G	G	G	G	G
1956	EQUIP. OBS.	G	H	H	H	H	H	H	H	H	H	H	H
1957	EQUIP. OBS.	G	H	H	H	H	H	H	H	H	H	H	H
1958	EQUIP. OBS.												
1959	EQUIP. DBS.												
1960	EQUIP. DBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RADB RAWIN																
1947	RAOB RAWIN																
1948	RADB RAWIN																
1949	RADB RAWIN					18	1	1	0	36	1	0	0	6	0	0	0
1950	RAOB RAWIN	70	4	1	0	70	4	1	0	74	48	41	17	17	5	2	0
1951	RADB RAWIN	53	31	25	9	58	42	35	15	62	49	34	9	79	56	49	26
1952	RAOB RAWIN	57	45	33	12	29	18	13	5	34	24	18	2	96	64	38	5
1953	RAOB RAWIN	95	53	36	4	134	85	66	3	132	75	58	2	46	12	8	1
1954	RADB RAWIN	87	38	29	6	134	88	69	8	114	77	52	3	149	121	103	13
1955	RAOB RAWIN	127	123	95	7	122	106	86	6								
1956	RAOB RAWIN	69	57	45	2	121	105	86	6								
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RADB RAWIN																

REMARKS: First GNDIA - Sept. 3, 1952. WBAN 31's and 33's not available - Jan. 27, 1956 thru May 27, 1957. Rawins taken - 002, 062, 122, and 182.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FRDM	TD		NAME	FRDM	TD
Nagoya, Japan (Komaki Fld.)	43312	35° 15'N	136° 56'E	17	AF	4- 1-49	1-23-51				
Nagoya, Japan (Komaki Fld.)	43312	35° 15'N	136° 56'E	16	AF	1-24-51	5-27-57				

OPPAMA, JAPAN

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	OEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.		R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2		
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN	22 0	8 0	3 0	0 0	79 0	42 0	18 0	0 0	114 0	76 0	39 0	0 0	18 0	13 0	10 0	0 0
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		OIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Oppama, Japan	43320	35° 19'N	139° 39'E	20	N	3-1-55	6-30-55				
Oppama, Japan	43320	35° 19'N	139° 39'E	5	N	7-1-55	10-25-55				

OSAKA, JAPAN

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 4	S 2	S 2	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1949	EQUIP. OBS.	S 4	S 4										
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN	14 0	0 0	0 0	0 0	10 0	0 0	0 0	0 0	10 0	1 0	0 0	0 0	1 0	0 0	0 0	0 0
1948	RAOB RAWIN	9 0	0 0	0 0	0 0	7 1	0 0	0 0	0 0	25 0	0 0	0 0	0 0	22 0	1 0	0 0	0 0
1949	RAOB RAWIN	11 0	0 0	0 0	0 0												
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: 04Z and 16Z - Jul. thru Dec. 1947.
First Raob plus SCR 658 - May 28, 1947.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Osaka, Japan (Itami AB)	43302	34° 48'N	135° 24'E	15	AF	1-14-47	2-28-49				

TOKYO, JAPAN

HANEDA AB

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.		S	S	S	S	S	S	S	S	S	S	S
			1	1	1	1	1	M	M	M	M	M	M
1947	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		M	M	M	M	2	2	2	2	2	2	2	2
1948	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	4	4	4	4	4	4	4	4	4	4	4
1949	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		4	4	4	2	2	2	2	2	2	2	2	2
1950	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		2	2	2	2	2	4	4	4	4	4	4	4
1951	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
		4	4	4	4	4	4	4	4	4	4	4	4
1952	EQUIP. OBS.	S	S	S	G	G	G	G	G	G	G	G	G
		4	4	4	4	4	4	4	2	2	2	2	4
1953	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
		4	4	4	4	4	4	4	4	4	2	2	2
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.							G	G	G	G	G	G
								1	1	1	2	2	2
1958	EQUIP. OBS.	G	G										
		2	2										
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 042 - Feb. thru Jun. 1946. 042 and 162 - Jun. 1947 thru Jan. 1948. 042, 102, 162, and 222 - Feb. 1948. 042 - Aug. 13 thru Oct. 1957. 062 and 182 - Nov. 1957 thru Feb. 1958. First Raob plus SCR 658 - Feb. 13, 1946; GMD1 - Apr. 12, 1952, and GMD1A - Mar. 18, 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	0	0	0	0	4	0	0	0								
		0	0	0	0	0	0	0	0								
1947	RAOB RAWIN					7	0	0	0	3	0	0	0	0	0	0	0
						7	0	0	0	1	0	0	0	0	0	0	0
1948	RAOB RAWIN	0	0	0	0	2	0	0	0	11	0	0	0	3	0	0	0
		0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0
1949	RAOB RAWIN	62	1	0	0	80	10	3	0	40	3	1	1	40	22	10	2
		16	0	0	0	10	0	0	0	27	1	1	1	4	2	0	0
1950	RAOB RAWIN	69	41	23	3	46	2	1	0	51	34	18	0	46	25	19	6
		0	0	0	0	12	0	0	0	40	17	8	0	3	2	1	1
1951	RAOB RAWIN	87	42	33	14	76	45	41	18	96	67	45	22	67	39	32	13
		3	0	0	0	9	3	3	2	35	15	9	3	0	0	0	0
1952	RAOB RAWIN	65	34	30	14	37	22	16	9	73	49	44	8	119	85	70	24
		2	2	0	0	19	7	4	3	67	43	41	7	62	43	28	11
1953	RAOB RAWIN	99	65	50	9	115	70	58	16	124	87	60	9	58	31	24	4
		38	13	8	2	106	65	49	13	118	79	54	8	27	11	9	1
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN									39	37	29	14	145	139	129	80
										32	30	25	12	88	90	105	70
1958	RAOB RAWIN	115	115	108	53												
		44	51	74	46												
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Tokyo, Japan	43308	35° 41'N	139° 46'E	35	AF	11-28-45	1-17-46				
Tokyo, Japan (Haneda AB) (Also known as Int'l. AP after 8-27-53)	43311	35° 33'N	139° 46'E	3	AF	11-21-46	2-28-58	8 S	Also see: Tokyo, Japan (Johnson AB)	2-1-56	5-8-57

TOKYO, JAPAN JOHNSON AB

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.		G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1957	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4							
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

DATA FOR QUARTERLY ALTITUDE FREQUENCY DATA TABLE NOT AVAILABLE

REMARKS: RAWINS only.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Tokyo, Japan (Johnson AB)	43309	35° 51'N	139° 25'E	89	AF	2-1-56	5-8-57		Also see: Tokyo, Japan (Haneda AB)	11-28-45	2-28-58

YOKOSUKA, JAPAN

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1957	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN	37 0	18 0	9 0	0 0	115 0	66 0	24 0	1 0	119 0	78 0	41 0	1 0	42 0	18 0	14 0	0 0
1957	RAOB RAWIN	18 0	5 0	2 0	0 0	39 0	13 0	6 0	0 0	15 0	6 0	0 0	0 0				
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PER100		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Yokosuka, Japan	43323	35° 17'N	139° 40'E	49	N	2-15-56	7-31-57				

MUSULPO, KOREA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.						G	G	G	G	G	G	G
1955	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1956	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1957	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1958	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1959	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1960	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN									71	43	29	0	57	40	29	0
1955	RAOB RAWIN	51	23	11	0	115	72	47	1	158	128	93	3	175	165	133	8
1956	RAOB RAWIN	43	17	8	0	89	55	33	1	133	107	78	2	148	139	122	6
1957	RAOB RAWIN	159	124	94	14	174	153	127	18	156	141	120	28	178	168	142	28
1958	RAOB RAWIN	49	36	26	3	96	78	65	9	154	139	117	27	59	55	46	14
1959	RAOB RAWIN	178	168	161	93	171	164	156	95	170	158	138	62	175	175	171	89
1960	RAOB RAWIN	85	83	91	78	166	156	152	95	166	154	136	61	164	163	164	89
1955	RAOB RAWIN	178	178	178	67	179	178	178	84	178	175	169	121	182	181	179	107
1956	RAOB RAWIN	77	70	88	40	173	174	175	84	173	171	164	120	163	163	170	101
1957	RAOB RAWIN	174	160	141	48	179	178	170	85	179	175	166	116	177	166	146	90
1958	RAOB RAWIN	107	100	104	44	164	168	162	79	172	171	162	106	155	150	133	72
1959	RAOB RAWIN	172	147	129	73	172	156	135	53	175	164	147	55	113	104	86	55
1960	RAOB RAWIN	115	99	42	64	168	153	111	40	172	158	13	47	96	93	82	44

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Musulpo, Korea	43263	33° 14'N	126° 18'E	24	AF	7-15-54	8-14-54				
Musulpo, Korea	43263	33° 12'N	126° 13'E	13	AF	8-15-54	- - -	5 WSW			

OSAN, KOREA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.				G	G	G	G	G	G	G	G	G
1958	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1959	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1960	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN					177	177	161	61	180	177	162	79	179	176	157	46
1958	RAOB RAWIN	177	172	139	14	173	171	153	86	169	162	154	106	176	163	143	43
1959	RAOB RAWIN	140	134	117	18	160	153	150	73	164	156	150	103	157	148	133	36
1959	RAOB RAWIN	174	171	155	83	180	172	160	81	177	167	154	93	182	177	171	116
1960	RAOB RAWIN	145	142	135	69	172	168	152	66	156	155	146	56	161	167	160	96
1960	RAOB RAWIN	180	176	165	72	171	159	149	60	179	174	156	72	178	163	140	83
1960	RAOB RAWIN	139	141	69	59	161	151	111	40	171	169	138	47	155	142	128	63

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Osan, Korea (Osan AB)	43242	37° 06'N	127° 02'E	19	AF	4-1-57	10-1-57				
Osan, Korea (Osan AB)	43242	37° 06'N	127° 02'E	42	AF	10-1-57	4-24-60				
Osan, Korea (Osan AB)	43242	37° 06'N	127° 02'E	52	AF	4-25-60	- - -				

SACHON, KOREA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.										S 2	S 2	S 2
1953	EQUIP. OBS.	S 2	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1954	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2						
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN													59 0	33 0	19 0	1 0
1953	RAOB RAWIN	75 18	37 8	23 5	3 2	147 105	98 69	65 50	9 6	118 117	82 79	66 64	4 4	82 31	57 24	43 27	4 3
1954	RAOB RAWIN	72 39	28 14	15 10	2 1	53 50	28 27	18 18	0 0								
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: First QNDIA - Feb. 6, 1953.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Sachon, Korea	43240	35° 05'N	128° 04'E	35	AP	10-8-52	9-21-53				
Sachon, Korea	43240	35° 05'N	128° 04'E	34	AP	9-22-53	6-28-54				

SEOUL, KOREA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S 2	R 1#			R 1	R 1						
1947	EQUIP. OBS.			R 1#	S 2	S 2	R 2	S 2	S 2	S 1	S 1#	S 1#	
1948	EQUIP. OBS.	S 2	S 2	S 2	S 4	S 4	S 4	S 4	S 4	S 4	S 2		
1949	EQUIP. OBS.												
1950	EQUIP. OBS.									S 4	S 4	S 4	
1951	EQUIP. OBS.	S 4#							S 4	S 4	S 4	S 4	
1952	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	
1953	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	
1954	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	
1955	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	
1956	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	
1957	EQUIP. OBS.	G 4	G 4	G 4									
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 16Z - Feb. 1946. 04Z - May and Jun. 1946. Mar. 1947. and Oct. thru Dec. 1947. First GMDIA - Nov. 19, 1952, Raob plus SCR 658 - Mar. 30, 1953, and GMDIA - Apr. 28, 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	0	0	0	0	1	0	0	0								
1947	RAOB RAWIN					7	0	0	0	7	0	0	0	0	0	0	0
1948	RAOB RAWIN					0	0	0	0	0	0	0	0	0	0	0	0
1949	RAOB RAWIN					10	1	0	0	4	0	0	0	0	0	0	0
1950	RAOB RAWIN					0	0	0	0	0	0	0	0	0	0	0	0
1951	RAOB RAWIN	1	0	0	0					2	2	1	0	47	33	22	7
1952	RAOB RAWIN	58	36	25	11	59	48	38	7	74	48	41	5	85	59	43	8
1953	RAOB RAWIN	120	85	47	2	115	80	47	9	116	74	55	5	126	73	44	5
1954	RAOB RAWIN	90	52	34	4	100	61	34	8	88	51	40	1	83	43	28	3
1955	RAOB RAWIN	73	42	25	4	83	43	24	4	86	48	35	1	63	34	20	3
1956	RAOB RAWIN	91	45	12	0	108	54	34	3	173	157	111	24	183	172	150	35
1957	RAOB RAWIN	78	38	10	0	107	54	31	3	170	156	108	21	128	125	120	28
1958	RAOB RAWIN	180	173	154	28	167	145	117	19	160	138	109	27	170	139	110	59
1959	RAOB RAWIN	133	127	112	24	144	126	99	14	152	128	99	25	85	71	59	32
1960	RAOB RAWIN	154	134	123	79												
	RAOB RAWIN	81	71	71	56												

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Seoul, Korea (Kimp'o AB)	43201	37° 35'N	126° 40'E	56	AF	1-15-46	4-20-47				
Seoul, Korea (Kimp'o AB)	43201	37° 38'N	126° 42'E	18	AF	4-21-47	2-20-47	4 NNE			
Seoul, Korea (Kimp'o AB)	43201	37° 38'N	126° 47'E	18	AF	12-21-47	0-31-48	5 E			
Seoul, Korea (Kimp'o AB)	43201	37° 37'N	126° 42'E	19	AF	10- 7-50	9-25-51	5 WSW			
Seoul, Korea (Kimp'o AB)	43201	37° 37'N	126° 42'E	21	AF	9-26-51	1- 8-51				
Seoul, Korea (Kimp'o AB)	43201	37° 37'N	126° 42'E	11	AF	11- 9-51	8- 1-53				
Seoul, Korea (Kimp'o AB)	43201	37° 36'N	126° 47'E	11	AF	8- 2-53	7-31-56	5 ESE			
Seoul, Korea (Kimp'o AB)	43201	37° 36'N	126° 47'E	20	AF	8- 1-56	3-31-57				

TAEGU, KOREA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.	5	5	5	5	5	5	5	5	5			
1952	EQUIP. OBS.	4	4	4	4	4	4	4	4	4			
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN	52	31	28	14	93	69	63	36	83	66	59	22				
		5	3	3	1	9	8	8	4	38	30	27	7				
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Taegu, Korea (Taegu AB)	43211	35° 50'N	128° 39'E	33	AP	1-27-51	9-25-51				

GUAM, MARIANA ISLANDS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S 1	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M
1947	EQUIP. OBS.	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M
1948	EQUIP. OBS.	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M
1949	EQUIP. OBS.	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M
1950	EQUIP. OBS.	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M
1951	EQUIP. OBS.	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M
1952	EQUIP. OBS.	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M
1953	EQUIP. OBS.	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M
1954	EQUIP. OBS.	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M
1955	EQUIP. OBS.	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M
1956	EQUIP. OBS.	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M
1957	EQUIP. OBS.	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M
1958	EQUIP. OBS.	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M
1959	EQUIP. OBS.	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M
1960	EQUIP. OBS.	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M	S M

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	8	0	0	0												
1947	RAOB RAWIN	0	0	0	0	4	0	0	0	1	0	0	0				
1948	RAOB RAWIN	0	0	0	0	11	0	0	0	8	0	0	0	12	0	0	0
1949	RAOB RAWIN	38	1	0	0	17	2	1	0	24	14	3	0	46	18	9	2
1950	RAOB RAWIN	58	36	28	5	17	4	2	0	26	20	17	2	73	45	37	11
1951	RAOB RAWIN	38	26	19	3	64	46	40	10	32	22	21	6	86	51	44	10
1952	RAOB RAWIN	37	26	19	3	63	43	37	8	30	21	21	6	62	48	41	9
1953	RAOB RAWIN	59	38	31	7	59	37	30	10	51	24	14	1	73	30	22	1
1954	RAOB RAWIN	55	33	27	7	58	32	12	3	48	23	13	1	60	21	11	0
1955	RAOB RAWIN	100	65	50	1	122	71	55	3	116	83	59	8	51	28	19	0
1956	RAOB RAWIN	74	35	11	0	121	70	54	3	103	71	54	7	45	24	17	0
1957	RAOB RAWIN	130	100	69	3	109	69	49	0	117	80	57	0	111	73	48	1
1958	RAOB RAWIN	126	96	66	3	61	64	46	0	108	74	52	0	111	72	48	1
1959	RAOB RAWIN	112	58	43	0	98	44	26	0	141	121	90	11	109	84	72	15
1960	RAOB RAWIN	110	55	40	0	96	43	26	0	138	120	90	11	109	83	71	15
1946	RAOB RAWIN	164	131	109	15	178	165	143	17	113	97	84	12	114	78	53	6
1947	RAOB RAWIN	160	131	109	15	177	163	141	17	111	96	83	12	116	72	42	2
1948	RAOB RAWIN	165	142	125	48	175	167	104	23	170	149	134	28	173	150	125	28
1949	RAOB RAWIN	159	137	118	38	172	166	149	17	170	146	127	14	182	152	122	20
1950	RAOB RAWIN	172	160	141	63	187	174	144	22	178	163	158	29	181	160	156	56
1951	RAOB RAWIN	172	160	139	54	187	178	140	18	183	162	154	21	179	159	153	41
1952	RAOB RAWIN	179	171	159	30	183	176	165	13	179	164	145	0	186	176	170	24
1953	RAOB RAWIN	176	171	152	19	182	175	159	8	179	165	140	1	181	173	164	15
1954	RAOB RAWIN	172	168	165	18	179	160	150	16	171	157	146	25	175	156	140	18
1955	RAOB RAWIN	173	167	163	4	180	161	148	10	174	158	145	18	179	158	136	7

REMARKS: 04Z - Jan. 1946. 04Z and 16Z - Apr. thru Aug. 1947.
First Raob plus SCR 658 - Jul. 11, 1945 and GMDIA - Apr. 1, 1953.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Guam (Harmon Fld.)	41405	13° 31'N	144° 49'E	61	AF	6-24-45	1-31-47				
Guam (Harmon Fld.)	41405	13° 31'N	144° 49'E	56	AF	2- 1-47	7-18-48				
Guam (Harmon Fld.)	41405	13° 31'N	144° 49'E	60	AF	7-19-48	5- 1-50				
Guam (Anderson AFB)	41405	13° 31'N	144° 49'E	60	AF	5- 2-50	6-30-50				
Guam (Anderson AFB)	41414	13° 33'N	144° 55'E	157	AF	7- 1-50	9-14-56	6 ENE			
Guam (Taguac Fld.)	41415	13° 33'N	144° 50'E	111	WB	9-15-56	2-20-58	5 W			
Guam (WBO)	41415	13° 33'N	144° 50'E	111	WB	2-21-58	- - -				

ENIWETOK ATOLL, MARSHALL ISLANDS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.				S 2	U 2	R 2						
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.										R 2	S 2	
1950	EQUIP. OBS.	S 4	R 2	S 2	S 2	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1951	EQUIP. OBS.	S 4	S 4	G 4	G 4	G 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1952	EQUIP. OBS.	S 2	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1953	EQUIP. OBS.	S 4	S 4	S 4	S 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1954	EQUIP. OBS.	G 2	G 4	G 4	G 4	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1955	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 4	G 4	G 4	G 4	G 4	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 4	G 4	G 4	G 4	G 4	G 4	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	12	0	0	0	47	0	0	0	19	4	0	0				
1947	RAOB RAWIN	0	0	0	0	0	0	0	0	0	0	0	0				
1948	RAOB RAWIN																
1949	RAOB RAWIN													9	1	1	0
1950	RAOB RAWIN	0	0	0	0	0	0	0	0	1	0	0	0	16	8	7	2
1951	RAOB RAWIN	43	20	10	0	45	7	5	2	18	14	13	3	38	26	21	6
1952	RAOB RAWIN	33	18	17	3	19	7	4	1	108	74	49	11	106	54	44	11
1953	RAOB RAWIN	90	52	38	2	86	67	51	3	142	94	72	2	138	88	64	3
1954	RAOB RAWIN	160	127	102	8	154	118	101	23	147	121	97	17	145	114	97	15
1955	RAOB RAWIN	150	121	110	12	135	102	94	10	168	156	131	53	168	156	132	36
1956	RAOB RAWIN	169	154	140	51	165	157	148	62	168	154	144	52	182	174	168	87
1957	RAOB RAWIN	168	159	150	110	158	142	132	98	174	173	167	88	173	163	146	79
1958	RAOB RAWIN	159	152	143	53	174	168	155	74	179	167	153	73	181	172	162	106
1959	RAOB RAWIN	179	174	168	114	179	174	166	88	175	169	159	55	172	153	138	59
1960	RAOB RAWIN	175	165	150	39	177	159	144	14	170	152	137	15	164	137	123	44

REMARKS: Latitudes and Longitudes on original forms appear sometimes to error by a few minutes of arc. Raob summaries available - Jan. thru Sept. 1946. First Raob plus SCR 658 - May 6, 1946, ended Jul. 14, 1946. First Raob plus SCR 658 - Nov. 25, 1949 and Mar. 28, 1950, GMD1 - Feb. 18, 1951, Raob plus SCR 658 - Jun. 8, 1951, and GMD1A - May 11, 1953.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Eniwetok Atoll (NAS)	41603	11° 20'N	162° 24'E	3	N	7-1-45	6-30-46				
Eniwetok Atoll (NAS)	41603	11° 20'N	162° 24'E	6	N	7-1-46	10-31-46				
Eniwetok Atoll	41601	11° 21'N	162° 21'E	5	AF	11-25-49	8-31-60	4 WNW			
Eniwetok Atoll	41601	11° 21'N	162° 21'E	5	WB	9-1-60	- - -				

KWAJALEIN ATOLL, MARSHALL ISLANDS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S 1			S 2		S 2	S 2			S 2	S 1	
1947	EQUIP. OBS.	S 2		S 1	S 1	S 2	S 2	S 2			S 2	S 2	
1948	EQUIP. OBS.	S 2	S 2	S 4	S 4	S 4	S 2	S 2	S 2	S 2	S 4	S 2	
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1951	EQUIP. OBS.	S 4	S 4	C 4	C 4	C 4	S 4	S 4	S 4	S 4	S 4	S 4	
1952	EQUIP. OBS.	S 4	S 4	S 4	S 4	R 4	R 4	R 4	R 4	R 4	G 4	G 4	
1953	EQUIP. OBS.	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	
1954	EQUIP. OBS.	C 4	C 4	C 4	C 4	C 4	C 2	C 2	C 2	C 2	C 2	C 2	
1955	EQUIP. OBS.	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	
1956	EQUIP. OBS.	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	
1957	EQUIP. OBS.	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	
1958	EQUIP. OBS.	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	
1959	EQUIP. OBS.	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	
1960	EQUIP. OBS.	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	

REMARKS: 042 - Jan. and Dec. 1946, Mar. thru May 1947. 042 and 162 - May, Jul., Aug., and Nov. 1946, Jan. 1947, Jun. thru Aug. 1947, and Oct. 1947 thru Feb. 1948. First Raob plus SCR 658 - Jan. 14, 1946 and GMD1A - Sept. 20, 1952.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	10	1	0	0	1	0	0	0	9	1	0	0	7	0	0	0
1947	RAOB RAWIN	5	0	0	0	1	0	0	0	9	2	2	0	9	0	0	0
1948	RAOB RAWIN	19	0	0	0	18	0	0	0	38	0	0	0	25	0	0	0
1949	RAOB RAWIN	35	4	0	0	7	0	0	0	26	5	4	1	8	1	1	0
1950	RAOB RAWIN	22	13	8	3	5	0	0	0	11	1	0	0	13	0	0	0
1951	RAOB RAWIN	53	22	19	3	59	37	27	3	46	33	27	10	38	15	6	0
1952	RAOB RAWIN	19	10	4	0	4	3	0	0	34	15	6	1	105	60	53	3
1953	RAOB RAWIN	78	35	17	0	67	43	31	0	93	58	42	0	94	52	34	0
1954	RAOB RAWIN	120	88	62	1	111	73	50	0	71	43	33	0	95	53	34	0
1955	RAOB RAWIN	85	52	41	0	41	12	9	1	91	68	44	0	118	93	61	0
1956	RAOB RAWIN	109	75	65	0	113	91	84	3	113	88	75	10	105	64	58	0
1957	RAOB RAWIN	44	21	12	0	71	50	25	0	58	39	23	2	38	16	8	1
1958	RAOB RAWIN	40	22	20	1	127	92	59	2	89	66	50	4	27	17	2	0
1959	RAOB RAWIN	31	14	6	2	77	52	21	0	75	51	19	0	92	51	23	2
1960	RAOB RAWIN	116	94	45	0	138	116	81	6	137	101	85	21	146	122	113	87

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Kwajalein Atoll	40601	08° 42'N	167° 44'E	3	AF	4-1-44	1-29-46				
Kwajalein Atoll	40601	08° 44'N	167° 43'E	2	AF	5-19-46	4-15-52	2 NNW			
Kwajalein Atoll	40604	08° 44'N	167° 43'E	2	N	4-16-52	4-14-53				
Kwajalein Atoll	40604	08° 44'N	167° 43'E	8	N	4-15-53	7-1-53				
Kwajalein Atoll	40604	08° 44'N	167° 43'E	11	N	7-2-53	7-11-60				
Kwajalein Atoll	40604	08° 44'N	167° 43'E	11	WB	7-12-60	7-13-60				
Kwajalein Atoll (WBAS)	40604	08° 43'N	167° 44'E	4	WB	7-14-60	- - -	1 SE			

MAJURO ATOLL, MARSHALL ISLANDS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.			S	S	S							
1949	EQUIP. OBS.			4	4	4							
1950	EQUIP. OBS.												
1951	EQUIP. OBS.	G	G	G	G	G							
1952	EQUIP. OBS.	4	3	3	3					S	S	S	
1953	EQUIP. OBS.									4	4	4	
1954	EQUIP. OBS.	G	G	G	G	G							
1955	EQUIP. OBS.	2	4	4	4	2							
1956	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	G
1957	EQUIP. OBS.	1	1	2	2	2	2	2	2	2	2	2	2
1958	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1959	EQUIP. OBS.	1	1	1	1	1	1	1	1	1	1	1	1
1960	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G

REMARKS: 032, 152, and 212 - Mar. thru May 1951. 032 - Feb. 1955, Aug. 1956 thru May 1957. 002 - Jun. thru Aug. 1957. 122 - Sept. 1957 thru Feb. 1958, Sept. 1958 thru May 1960, and Oct. thru Dec. 1960. First Raob plus SCR 658 - Mar. 13, 1948, and GMDIA - Nov. 21, 1955.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN									5	1	0	0	79	47	32	4
1953	RAOB RAWIN									2	1	0	0	72	43	31	4
1954	RAOB RAWIN	142	121	116	16	78	61	58	26								
1955	RAOB RAWIN	134	114	111	15	78	61	58	26								
1956	RAOB RAWIN	53	42	30	0	92	65	30	0	120	100	46	6	97	68	40	0
1957	RAOB RAWIN	53	41	27	0	82	58	24	0	113	91	37	0	110	81	25	0
1958	RAOB RAWIN	131	82	56	4	261	234	187	13	152	135	100	3	66	40	7	0
1959	RAOB RAWIN	122	81	48	0	260	234	177	8	150	132	96	2	69	40	3	0
1960	RAOB RAWIN	66	44	3	0	55	30	4	0	85	77	68	32	74	66	58	15
1961	RAOB RAWIN	68	43	2	0	46	27	3	0	84	76	64	3	75	65	56	8
1962	RAOB RAWIN	89	84	74	19	312	269	246	106	178	165	149	38	85	59	55	19
1963	RAOB RAWIN	97	84	71	15	313	271	238	85	167	153	136	27	80	55	50	14
1964	RAOB RAWIN	88	72	60	0	91	76	69	0	72	61	50	0	82	55	49	0
1965	RAOB RAWIN	86	72	56	0	90	76	68	0	72	61	49	0	82	58	50	0
1966	RAOB RAWIN	89	80	77	0	34	14	13	4					61	39	37	6
1967	RAOB RAWIN	92	81	76	0	38	16	12	1					66	40	38	2

REMARKS: WBAN 33's missing - Mar. thru May 1948 and Feb. thru May 1951.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Majuro Atoll	40704	07° 06'N	171° 24'E	0	AF	3-13-48	2-12-51				
Majuro Atoll	40704	07° 06'N	171° 24'E	2	AF	2-13-51	5-25-51				
Majuro Atoll	40704	07° 05'N	171° 20'E	2	AF	9-21-52	5-15-54	5 WSW			
Majuro Atoll (WBO)	40710	07° 06'N	171° 23'E	3	WB	2- 1-55	12-31-55	4 ENE			
Majuro Atoll (WBAS)	40710	07° 05'N	171° 23'E	10	WB	1- 1-56	12-31-57	1 S			
Majuro Atoll (WBAS)	40710	07° 05'N	171° 23'E	3	WB	1- 1-58	- - -				

RONGERIK ATOLL, MARSHALL ISLANDS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.			S 4	S 4	S 4							
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.	G 2	G 4	G 28	G 1	R 48							
1955	EQUIP. OBS.												
1956	EQUIP. OBS.				G 4	G 4	G 4	G 4					
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 03Z and 09Z - Mar. 1954. 03Z - Apr. 1954.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN	66 64	50 48	43 42	3 3	26 25	24 23	22 21	1 1								
1955	RAOB RAWIN																
1956	RAOB RAWIN					154 154	145 144	140 140	61 56	45 45	45 45	45 45	24 23				
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: WBAN 33's missing - Mar. thru May 1948.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Rongerik Atoll	41608	11° 23'N	167° 29'E	3	AF	3-1-48	1-19-54				
Rongerik Atoll	41608	11° 18'N	167° 29'E	3	AF	1-20-54	4-24-56	6 S			
Rongerik Atoll	41609	11° 18'N	167° 28'E	3	AF	4-10-56	7-23-56	1 W			

UTIRIK ATOLL, MARSHALL ISLANDS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.			G 4	G 4	G 4	G 4	G 4	G 4				
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN	9 9	9 9	8 8	4 3	170 170	161 160	152 151	80 77	68 67	64 63	55 54	28 17				
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Utirik Atoll	41612	11° 14'N	169° 51'E	3	AF	3-27-58	8-4-58				

NAURU ISLAND, MICRONESIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.		G 2	G 4	G 4	G 3							
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.				G 4	G 4	G 4	G 4					
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: First GMD1 - Feb. 22, 1951, ended May 25, 1951. 03Z, 15Z, and 21Z - May 1951. First GMD1A - Apr. 5, 1958, ended Jul. 3, 1958.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN					162	152	143	70	5	4	3	2				
1959	RAOB RAWIN					162	152	142	61	5	4	3	2				
1960	RAOB RAWIN																

REMARKS: WBAN 33's missing - Feb. thru May 1951.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Nauru Island	80605	00° 32'S	166° 55'E	6	AF	2-22-51	5-25-51				
Nauru Island	80605	00° 34'S	166° 40'E	3	AF	4- 5-58	7- 3-58	17 WSW			

KOROR ISLAND, PALAU ISLANDS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 1											
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.									R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2			R 1	R 1	R 1	R 1	R 1	R 1
1952	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1
1953	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1
1954	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1
1955	EQUIP. OBS.	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 1	S 1	S 1	S 1	S 1	S 1
1957	EQUIP. OBS.	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1
1958	EQUIP. OBS.	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1
1959	EQUIP. OBS.	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1
1960	EQUIP. OBS.	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1	S 1

REMARKS: 04Z - Jan. 1946. 03Z - Jul. 1951 thru Mar. 1955, Aug. 1956 thru May 1957. 00Z - Jun. thru Aug. 1957. 12Z - Sept. 1957 thru Dec. 1960.
Rabala - Jan. 1, 1952 thru Feb. 27, 1954. First Raob plus SCR 656 - Feb. 28, 1954.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN									2	0	0	0	56	27	8	0
1951	RAOB RAWIN	58	15	6	0	23	10	2	0	42	27	14	0	25	14	6	0
1952	RAOB RAWIN	4	0	0	0	58	52	39	0	83	70	62	0	89	74	51	0
1953	RAOB RAWIN	87	79	54	0	82	67	41	0	74	65	44	0	72	58	39	0
1954	RAOB RAWIN	76	60	31	0	67	43	20	0	43	34	11	0	64	45	21	0
1955	RAOB RAWIN	68	45	16	0	63	37	10	0	69	44	18	1	38	14	5	0
1956	RAOB RAWIN	74	39	19	0	75	39	21	0	70	48	20	0	59	38	8	0
1957	RAOB RAWIN	63	32	6	0	66	28	13	0	64	37	5	0	51	35	6	0
1958	RAOB RAWIN	39	18	10	0	29	15	5	0	66	57	54	12	85	73	61	10
1959	RAOB RAWIN	25	11	0	0	51	38	19	0	64	54	49	4	83	71	52	5
1960	RAOB RAWIN	77	66	61	16	77	62	49	1	63	41	35	7	86	68	62	0
	RAOB RAWIN	73	62	47	10	76	57	41	1	60	39	31	3	82	65	53	0
	RAOB RAWIN	82	69	66	0	89	79	73	0	77	54	48	1	77	50	43	2
	RAOB RAWIN	78	63	49	0	88	81	72	0	67	47	39	1	73	45	40	0
	RAOB RAWIN	60	30	18	0	52	29	18	5	59	49	49	7	64	38	36	6
	RAOB RAWIN	58	34	14	0	58	28	14	1	52	41	35	2	72	35	32	4

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Peletiu	40304	07° 01'N	134° 15'E	6	A	5-9-45	1-27-46				
Koror Island (NAU)	40307	07° 20'N	134° 29'E	30	N	9-1-50	4-30-51	27 NNE			
Koror Island	40309	07° 20'N	134° 29'E	37	WB	7-1-51	5- 6-54				
Koror Island	40309	07° 20'N	134° 29'E	35	WB	5-7-54	11-30-54				
Koror Island	40309	07° 20'N	134° 29'E	30	WB	12-1-54	6-18-58				

ANGELES, PHILIPPINES

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	55											
1947	EQUIP. OBS.				2#	2	2	2	2	2	2	2	2
1948	EQUIP. OBS.	S	S	S	S	8	S	S	S	S	S	S	S
1949	EQUIP. OBS.	2	2	2	4	1	1#	1	2#	2#	2	4	2
1950	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1951	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1952	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1953	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1954	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1955	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1956	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1957	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1958	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1959	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1960	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S

REMARKS: 032- May thru Jul. 1948. First Raob plus SCR 658 - Apr. 29, 1947 and GMDIA - May 27, 1953

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN					7	4	0	0	10	7	0	0	5	2	0	0
1948	RAOB RAWIN	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
1949	RAOB RAWIN	0	0	0	0	1	0	0	0	2	0	0	0	11	3	2	0
1950	RAOB RAWIN	42	22	16	3	18	3	2	0	39	24	18	2	56	48	42	16
1951	RAOB RAWIN	34	18	13	2	18	3	2	0	32	20	14	1	43	36	30	14
1952	RAOB RAWIN	78	67	53	16	56	41	33	3	54	46	39	3	72	63	56	14
1953	RAOB RAWIN	76	64	48	15	51	36	29	2	48	36	31	1	69	62	55	13
1954	RAOB RAWIN	76	61	58	14	50	38	35	4	45	35	30	5	60	41	32	4
1955	RAOB RAWIN	72	57	55	14	45	36	33	3	41	32	28	5	57	39	31	3
1956	RAOB RAWIN	59	43	42	4	97	74	59	7	122	79	62	1	99	69	60	2
1957	RAOB RAWIN	52	32	26	4	95	69	53	6	120	78	61	1	99	69	60	2
1958	RAOB RAWIN	98	57	40	2	155	121	96	7	121	86	60	1	103	62	46	0
1959	RAOB RAWIN	95	56	39	2	151	117	92	7	121	86	60	1	102	62	30	0
1960	RAOB RAWIN	134	87	73	3	137	66	52	1	140	98	71	8	172	141	129	54
1946	RAOB RAWIN	134	87	73	3	134	66	52	1	133	90	68	5	169	138	127	37
1947	RAOB RAWIN	179	167	152	53	181	168	159	59	183	145	133	29	183	170	162	76
1948	RAOB RAWIN	179	164	152	35	181	167	158	41	178	142	112	16	183	169	160	61
1949	RAOB RAWIN	180	178	177	93	181	164	158	95	177	144	132	48	182	179	179	110
1950	RAOB RAWIN	171	170	170	73	181	163	155	80	175	143	129	31	178	178	176	84
1951	RAOB RAWIN	178	178	175	146	180	165	157	86	177	161	132	85	184	177	171	138
1952	RAOB RAWIN	160	158	154	116	169	152	146	71	176	160	125	63	183	177	170	124
1953	RAOB RAWIN	180	175	167	102	173	157	139	48	168	144	121	41	180	173	158	100
1954	RAOB RAWIN	178	174	161	89	170	153	130	35	161	141	117	25	179	173	156	85
1955	RAOB RAWIN	176	165	151	75	173	150	139	67	165	133	107	17	180	170	162	58
1956	RAOB RAWIN	174	163	146	54	172	149	102	55	165	132	100	12	178	169	158	44

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Angeles, Luzon (Clark Fld.)	41207	15° 09' N	120° 33' E	167	AF	11-1-45	4-28-47				
Angeles, Luzon (Clark Fld.)	41207	15° 11' N	120° 33' E	167	AF	4-29-47	4-6-50	2 N			
Angeles, Luzon (Clark Fld.)	41207	15° 11' N	120° 33' E	170	AF	4-7-50	10-5-60				
Angeles, Luzon (Clark Fld.)	41207	15° 11' N	120° 33' E	166	AF	10-5-60	- - -				

LAOAG, PHILIPPINES

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S 2	S 1	S 1	R 1	S M	S M			S 1	S 10	S 2	S 2
1947	EQUIP. OBS.	S 1	S 1	S 1	S 10								
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	16 1	0 0	0 0	0 0					1 0	0 0	0 0	0 0	29 0	0 0	0 0	0 0
1947	RAOB RAWIN	32 0	0 0	0 0	0 0	1 0	0 0	0 0	0 0								
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: 042 - Feb. thru Apr. 1946, Sept. 1946, and Jan. thru Apr. 1947.
042 and 162 - Jan., Nov., and Dec. 1946. 162 - Oct. 1946. Raob plus SCR
658 ended - Apr. 8, 1947.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS			
						FROM	TO		NAME	FROM	TO	
Laoag, Luzon	41209	18° 11'N	120° 32'E	4	AF	12-13-45	4-8-47					

MANILA, PHILIPPINES

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.		S 1#	S 1	S 1	S M	S 2	S I	S I	S M	S M	S M	S 2
1947	EQUIP. OBS.	S M	S 2	S 2	S 2								
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	2	0	0	0									5	0	0	0
1947	RAOB RAWIN	10	3	2	0									0	0	0	0
1948	RAOB RAWIN	8	2	1	0												
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

REMARKS: 04Z - Feb. thru Apr. 1946, Jul. and Aug. 1946. 04Z and 16Z - Jun. and Dec. 1946 and Feb. thru Apr. 1947.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Manila, Luzon (Ft. McKinley)	41218	14° 34'N	121° 03'E	26	AP	2-6-46	4-6-47				

CANTON ISLAND, PHOENIX ISLANDS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S 1											
1947	EQUIP. OBS.					R 1	R 1	R 1	S 1	S 1	S 1	S 1	
1948	EQUIP. OBS.	S 1	S 1	R 10									
1949	EQUIP. OBS.				R 20	S 2	S 1	S 1	S 1	S 2	S 2	R 2	
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 1	R 1	R 1	R 2	R 2	R 2	R 2	
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	
1954	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	

REMARKS: 042 - Jan. 1946, May 1947 thru Mar. 1948. 102 - Jun. thru Aug. 1949 and May thru Aug. 1950. First Raob plus SCR 658 - Jul. 16, 1947, ended Mar. 9, 1948. First Raob plus SCR 658 - May 9, 1949 and again Jun. 24, 1953. Rabala - Jan. 1951 thru Dec. 1952.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	4 0	0 0	0 0	0 0												
1947	RAOB RAWIN					4 0	0 0	0 0	0 0	9 7	0 0	0 0	0 0	6 6	0 0	0 0	0 0
1948	RAOB RAWIN	3 1	0 0	0 0	0 0												
1949	RAOB RAWIN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	35 11	0 0	0 0	0 0
1950	RAOB RAWIN	89 10	0 0	0 0	0 0	52 1	4 0	0 0	0 0	92 8	36 6	15 5	0 0	116 4	76 1	48 1	0 0
1951	RAOB RAWIN	155 5	113 1	68 0	2 3	138 3	94 2	68 0	1 7	159 2	120 0	81 0	2 0	140 3	96 1	69 1	1 0
1952	RAOB RAWIN	157 1	120 1	85 1	17 0	135 0	94 0	77 0	7 0	140 1	114 1	93 1	1 0	133 0	91 0	75 0	7 0
1953	RAOB RAWIN	137 5	86 2	65 3	0 10	135 5	95 1	70 0	1 53	87 24	50 4	11 0	0 39	72 16	42 7	23 0	0 0
1954	RAOB RAWIN	106 94	65 46	47 19	0 0	138 130	91 82	58 37	1 1	146 143	123 118	83 76	0 0	145 138	90 86	63 46	0 0
1955	RAOB RAWIN	139 124	69 61	54 47	0 0												
1956	RAOB RAWIN	125 129	90 89	49 42	0 0	160 162	132 125	71 58	0 0	156 160	136 136	88 79	1 0	160 161	121 119	66 49	0 0
1957	RAOB RAWIN	148 151	87 89	51 33	1 1	179 176	175 171	100 135	2 0	181 169	176 161	154 129	33 9	168 160	147 138	120 102	17 9
1958	RAOB RAWIN	171 165	138 133	123 116	11 11	177 166	167 155	153 140	19 9	181 181	178 178	174 174	45 22	180 180	164 164	126 118	8 5
1959	RAOB RAWIN	178 177	156 157	137 128	1 0	180 179	175 174	173 158	5 1	181 177	179 174	172 161	0 0	179 178	168 168	152 144	2 0
1960	RAOB RAWIN	165 164	155 152	126 109	0 0	177 178	170 168	117 98	0 1	168 170	144 148	68 67	1 1	154 157	130 130	95 82	0 0

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Canton Island	60701	02° 46'S	171° 43'W	4	AF	6-25-45	5- 6-47				
Canton Island (Topham AP)	60703	02° 46'S	171° 43'W	4	WB	5- 7-47	9-30-56				
Canton Island (Topham AP)	60703	02° 46'S	171° 43'W	9	WB	10-1-56	- - -				

OKINAWA, RYUKYU ISLANDS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S5 1	S 1	S M	S M	S 1#	S 2	S 1	S 2	R 2	R 1#	S 1#	S 1
1947	EQUIP. OBS.	R 1	S 1	S 2	S 2	S 2	S 1#	S 2#	S 2	S 2	S M	S M	S M
1948	EQUIP. OBS.	S M	S 1#	S 1	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 4	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1951	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1952	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1953	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1954	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1955	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 3	G 2	G 2	G 2	G 2	G 4	G 4	G 4	G 2	G 2	G 2	G 2

REMARKS: 16Z - Jan., May and Jul. 1946. 04Z - Feb. 1946, Oct. 1946 thru Feb. 1947, Feb. and Mar. 1948. 04Z and 16Z - Jun., Aug. and Sept. 1946, Mar. thru May 1947, and Jul. thru Sept. 1947. 00Z, 06Z, and 12Z - Nov. 1959 thru Jan. 1960. First GMDA - Apr. 10, 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH			APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	14 0	0 0	0 0	5 0	0 0	0 0	0 0	32 0	0 0	0 0	0 0	11 0	0 0	0 0	0 0
1947	RAOB RAWIN	18 1	0 0	0 0	19 0	0 0	0 0	0 0	4 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1948	RAOB RAWIN	1 0	0 0	0 0	6 0	1 0	0 0	0 0	7 0	0 0	0 0	0 0	1 0	0 0	0 0	0 0
1949	RAOB RAWIN	3 0	0 0	0 0	8 0	0 0	0 0	0 0	23 2	2 2	0 0	0 0	39 8	7 0	0 0	0 0
1950	RAOB RAWIN	62 3	3 1	0 0	47 0	3 0	0 0	0 0	55 11	6 10	3 5	3 2	61 41	35 19	11 8	8 8
1951	RAOB RAWIN	69 0	43 0	38 0	20 10	46 2	21 1	8 37	47 33	28 18	10 5	62 43	31 5	3 0	0 0	0 0
1952	RAOB RAWIN	82 57	43 15	51 37	23 3	54 32	24 2	50 31	26 0	0 0	0 0	50 31	26 0	0 0	0 0	0 0
1953	RAOB RAWIN	58 2	33 1	26 0	5 109	100 87	80 68	8 7	151 149	123 122	92 92	13 13	61 58	27 26	20 18	7 6
1954	RAOB RAWIN	58 52	42 37	33 29	1 0	102 76	53 52	12 107	110 82	82 66	6 6	113 104	88 77	64 55	8 7	8 7
1955	RAOB RAWIN	109 102	69 60	57 45	4 2	143 86	69 63	1 1	171 171	151 151	132 132	12 12	178 168	159 153	125 122	18 18
1956	RAOB RAWIN	172 137	138 114	114 102	22 19	179 147	152 131	15 15	165 162	150 148	128 126	27 27	169 139	152 124	127 98	41 33
1957	RAOB RAWIN	180 67	167 65	137 57	30 13	179 160	168 146	155 96	184 183	180 179	178 178	137 128	183 147	183 160	183 171	179 159
1958	RAOB RAWIN	180 55	180 69	180 143	168 157	182 178	182 179	165 180	183 183	183 183	183 181	172 156	184 166	184 173	184 182	168 160
1959	RAOB RAWIN	180 118	179 141	177 171	142 130	181 175	176 165	117 106	180 178	173 172	156 150	72 59	172 168	164 162	133 130	58 43
1960	RAOB RAWIN	180 137	175 151	162 111	127 107	180 174	173 169	122 99	172 168	167 166	159 159	116 104	182 164	173 166	169 164	113 101

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Okinawa (Drake Fld.)	42201	26° 20'N	127° 47'E	100	AF	4-21-45	1-31-46				
Okinawa (Kadena AB)	42204	26° 21'N	127° 45'E	50	AF	2-1-46	6-20-48	2 WNW			
Okinawa (Kadena AB)	42204	26° 21'N	127° 45'E	49	AF	6-21-48	1-26-55				
Okinawa (Kadena AB)	42204	26° 21'N	127° 45'E	78	AF	1-27-55	- - -				

GUADALCANAL, SOLOMON ISLANDS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S3 1#											
1947	EQUIP. OBS.												
1948	EQUIP. OBS.				S 1#	S 1	S M	S 2	S 2	S 2	S 2	S 1	S 1
1949	EQUIP. OBS.	S 3	S 2	S 2	S 2	S 2	S 2	S 1					
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 032 - Jan. 1946, Apr. 30 thru May 1948, Nov. and Dec. 1948.
032, 092, and 212 - Jan. 1949. 092 and 212 - Feb. thru Jun. 1949.
212 - Jul. 1949.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	2 0	0 0	0 0	0 0												
1947	RAOB RAWIN																
1948	RAOB RAWIN					0 0	0 0	0 0	0 0	7 7	0 0	0 0	0 0	47 41	3 3	0 0	0 0
1949	RAOB RAWIN	45 36	5 5	0 0	0 0	25 23	0 0	0 0	0 0								
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Guadalcanal (Henderson Fld.)	80601	09° 26'S	160° 02'E	22	AF	- -	4-29-48				
Guadalcanal (Henderson Fld.)	80601	09° 25'S	160° 02'E	15	AF	4-30-48	7-15-49	1 N			

IWO JIMA, VOLCANO ISLANDS

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1947	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1948	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1949	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1950	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1951	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1952	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1953	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1954	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1955	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1956	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1957	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1958	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1959	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1960	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	26	1	0	0	10	0	0	0								
1947	RAOB RAWIN	1	0	0	0					1	0	0	0				
1948	RAOB RAWIN	0	0	0	0					9	0	0	0	3	0	0	0
1949	RAOB RAWIN	2	0	0	0	8	0	0	0	50	17	10	4	34	3	2	0
1950	RAOB RAWIN	17	0	0	0	21	0	0	0	25	11	8	1	52	28	18	6
1951	RAOB RAWIN	35	25	18	3	13	9	3	29	26	22	3	40	27	20	8	8
1952	RAOB RAWIN	21	14	12	7	37	28	18	7	24	16	13	3	44	30	23	10
1953	RAOB RAWIN	39	25	22	0	62	34	18	0	51	30	22	1	85	65	50	0
1954	RAOB RAWIN	140	109	86	1	137	100	82	2	98	68	40	1	113	92	70	0
1955	RAOB RAWIN	139	108	86	10	144	100	79	1	112	100	68	9	170	156	126	17
1956	RAOB RAWIN	179	165	138	39	175	165	132	42	164	145	119	23	175	156	134	44
1957	RAOB RAWIN	173	162	140	54	180	177	173	93	177	170	155	88	177	163	136	61
1958	RAOB RAWIN	174	160	130	60	178	177	166	70	180	179	164	101	169	151	142	85
1959	RAOB RAWIN	174	163	135	107	162	151	141	99	171	167	158	73	165	140	118	48
1960	RAOB RAWIN	174	157	140	83	164	150	125	51	167	158	123	40	155	142	135	41

REMARKS: 042 - Feb. thru May 1946 and Jul. 1947. First GNDIA - Feb. 18, 1953 G.C.T.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Iwo Jima	42401	24° 47'N	141° 19'E	88	AF	4-16-45	3-31-46				
Iwo Jima	42401	24° 47'N	141° 20'E	106	AF	4-1-46	12-2-47	1 E			
Iwo Jima (Central AFB)	42401	24° 47'N	141° 20'E	106	AF	12-3-47	1-7-51				
Iwo Jima (Central AFB)	42401	24° 47'N	141° 20'E	116	AF	1-8-51	3-20-51				
Iwo Jima (Central AFB)	42401	24° 47'N	141° 19'E	114	AF	3-21-51	3-6-56	1 W			
Iwo Jima AB	42401	24° 47'N	141° 19'E	114	AF	3-7-56	- - -				

JOHNSTON ISLAND

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.											S 1	S 1
1947	EQUIP. OBS.	S 1	S 1	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 4	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 2	S 2	S 2	S 4	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1951	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1952	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1953	EQUIP. OBS.	S 2	S 2	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1954	EQUIP. OBS.	C 2	C 4	C 4	C 4	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2
1955	EQUIP. OBS.	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2
1956	EQUIP. OBS.	C 2	C 2	C 4	C 4	C 4	C 4	C 4	C 2	C 2	C 2	C 2	C 2
1957	EQUIP. OBS.	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2
1958	EQUIP. OBS.	C 2	C 2	C 2	C 2	C 2	C 2	C 4	C 2	C 2	C 2	C 2	C 2
1959	EQUIP. OBS.	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2
1960	EQUIP. OBS.	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2

REMARKS: Raob summaries available - May thru Jul. 1946. 032 - Nov. 1946
thru Feb. 1947. 122 - Jun. 1959, Sept. thru Dec. 1959, and Dec. 1960.
First Raob plus SCR 658 - Nov. 24, 1946 and GMDIA - May 22, 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN					18 0	0 0	0 0	0 0	4 0	0 0	0 0	0 0	18 1	2 0	0 0	0 0
1947	RAOB RAWIN	52 11	5 0	0 0	0 0	30 5	0 0	0 0	0 0	6 0	0 0	0 0	0 0	20 16	0 0	0 0	0 0
1948	RAOB RAWIN	35 19	1 1	0 0	0 0	24 11	0 0	0 0	0 0	26 20	1 0	0 0	0 0	21 19	1 0	0 0	0 0
1949	RAOB RAWIN	17 14	0 0	0 0	0 0	19 17	0 0	0 0	0 0	23 21	7 5	3 2	0 0	34 33	17 15	11 11	3 3
1950	RAOB RAWIN	17 16	10 8	5 5	0 0	41 37	23 16	15 8	7 4	16 8	1 0	0 0	0 0	21 11	2 0	1 0	1 0
1951	RAOB RAWIN	34 10	13 2	11 2	3 0	58 38	44 6	33 3	9 1	75 43	56 0	50 0	20 0	64 61	47 22	45 20	21 9
1952	RAOB RAWIN	39 27	24 19	17 13	6 5	17 8	9 4	7 3	0 0	83 68	57 35	39 17	3 3	114 99	60 44	48 30	12 9
1953	RAOB RAWIN	93 60	64 40	49 32	12 7	148 139	116 106	98 86	9 8	122 126	99 89	80 73	3 3	89 84	65 60	56 51	4 4
1954	RAOB RAWIN	97 94	70 69	49 47	2 2	79 78	49 48	44 43	20 19	99 99	73 73	57 57	10 10	123 118	111 107	100 97	21 20
1955	RAOB RAWIN	127 124	101 98	93 91	12 12	84 65	68 54	58 45	5 5	172 169	161 158	142 142	45 41	157 151	137 132	126 122	29 26
1956	RAOB RAWIN	162 160	147 145	134 132	55 38	163 155	129 126	112 111	44 28	169 163	147 144	130 127	24 15	183 182	170 170	159 158	76 53
1957	RAOB RAWIN	175 173	169 168	159 157	46 30	175 174	163 161	153 151	45 26	175 160	158 145	133 123	58 33	179 179	166 166	148 148	65 61
1958	RAOB RAWIN	176 176	172 171	163 162	113 112	165 161	159 154	152 146	98 92	171 169	168 166	152 148	90 89	165 160	146 146	137 135	42 32
1959	RAOB RAWIN	145 146	125 126	105 98	5 2	101 100	90 89	75 72	0 0	86 83	74 73	62 58	1 0	82 81	63 60	54 49	0 0
1960	RAOB RAWIN	123 125	97 100	77 67	0 0	162 162	134 136	115 108	34 26	165 167	150 151	135 130	26 20	90 91	72 72	67 61	2 0

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Johnston Island	21602	16° 44'N	169° 32'W	10	N	11- 7-42	6-30-47				
Johnston Island	21601	16° 44'N	169° 32'W	2	AF	11-24-46	7-31-48				
Johnston Island	21601	16° 45'N	169° 32'W	2	AF	8- 1-48	4-30-50	1 N			
Johnston Island	21601	16° 44'N	169° 31'W	3	AF	5- 1-50	0-19-58	1 SE			
Johnston Island (WBAS)	21603	16° 44'N	169° 31'W	3	WB	10-20-58	- - -				

MIDWAY ISLAND

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.			U 1							S 2	S M	S 2
1947	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S M	S 2	S 2	S 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1952	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1953	EQUIP. OBS.	S 4	S 4	S 4	S 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4	G 4
1954	EQUIP. OBS.	G 4	G 4	G 4	G 4	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1955	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

REMARKS: 132 - Mar. 1946. 042 and 162 - Oct. 1946, Dec. 1946 thru Jul. 1947, and Oct. 1947 thru Feb. 1948. First GMDI - Apr. 30, 1953.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN													2	0	0	0
1947	RAOB RAWIN	8	0	0	0	33	0	0	0	25	0	0	0	14	0	0	0
1948	RAOB RAWIN	30	0	0	0	32	0	0	0	22	0	0	0	6	0	0	0
1949	RAOB RAWIN	24	0	0	0	47	0	0	0	51	11	1	0	45	4	5	0
1950	RAOB RAWIN	46	1	0	0	56	12	6	3	97	17	1	0	109	29	5	0
1951	RAOB RAWIN	113	56	21	0	116	89	46	0	159	114	63	2	62	34	30	0
1952	RAOB RAWIN	87	65	46	3	154	133	92	3	121	61	22	0	64	44	24	0
1953	RAOB RAWIN	68	46	26	1	115	84	61	3	90	69	49	0	59	34	19	0
1954	RAOB RAWIN	86	46	34	0	48	28	17	0	37	22	14	0	18	9	5	0
1955	RAOB RAWIN	57	36	21	0	39	29	20	0	61	48	32	0	69	43	35	0
1956	RAOB RAWIN	58	36	28	0	85	43	32	0	69	43	31	0	44	23	14	0
1957	RAOB RAWIN	71	35	16	0	67	36	17	0	94	76	38	4	82	53	23	2
1958	RAOB RAWIN	72	39	11	0	141	128	103	20	119	105	63	3	102	68	37	2
1959	RAOB RAWIN	71	49	32	4	117	101	72	5	171	154	122	11	170	159	143	27
1960	RAOB RAWIN	117	110	86	9	157	150	117	10	175	166	131	28	57	49	44	29

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Midway Island	22701	28° 13'N	177° 22'W	13	N	11-1-45	0-6-46				
Midway Island	22702	28° 13'N	177° 22'W	13	AF	10-7-46	4-30-48				
Midway Island	22701	28° 13'N	177° 22'W	13	N	5-1-48	6-6-50				
Midway Island	22703	28° 13'N	177° 22'W	13	WB	6-6-50	5-27-52				
Midway Island	22701	28° 13'N	177° 22'W	13	N	5-27-52	4-30-53				
Midway Island	22701	28° 13'N	177° 21'W	8	N	4-30-53	2-29-56	1 E			
Midway Island	22701	28° 13'N	177° 21'W	12	N	12-30-56	3-5-58				
Midway Island	22701	28° 13'N	177° 21'W	21	N	3-7-58	- - -				

WAKE ISLAND

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.				R 2		S 2	R 2	R 1				
1947	EQUIP. OBS.												
1948	EQUIP. OBS.				S 4				R 1	R 2	S 2	S 1	
1949	EQUIP. OBS.	R 1		R 1	S 1	S 1	S 2	S 2	S 2	S 2	S 1	S 1	
1950	EQUIP. OBS.	S 1	S 1	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1951	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	
1952	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	
1953	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	
1954	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	

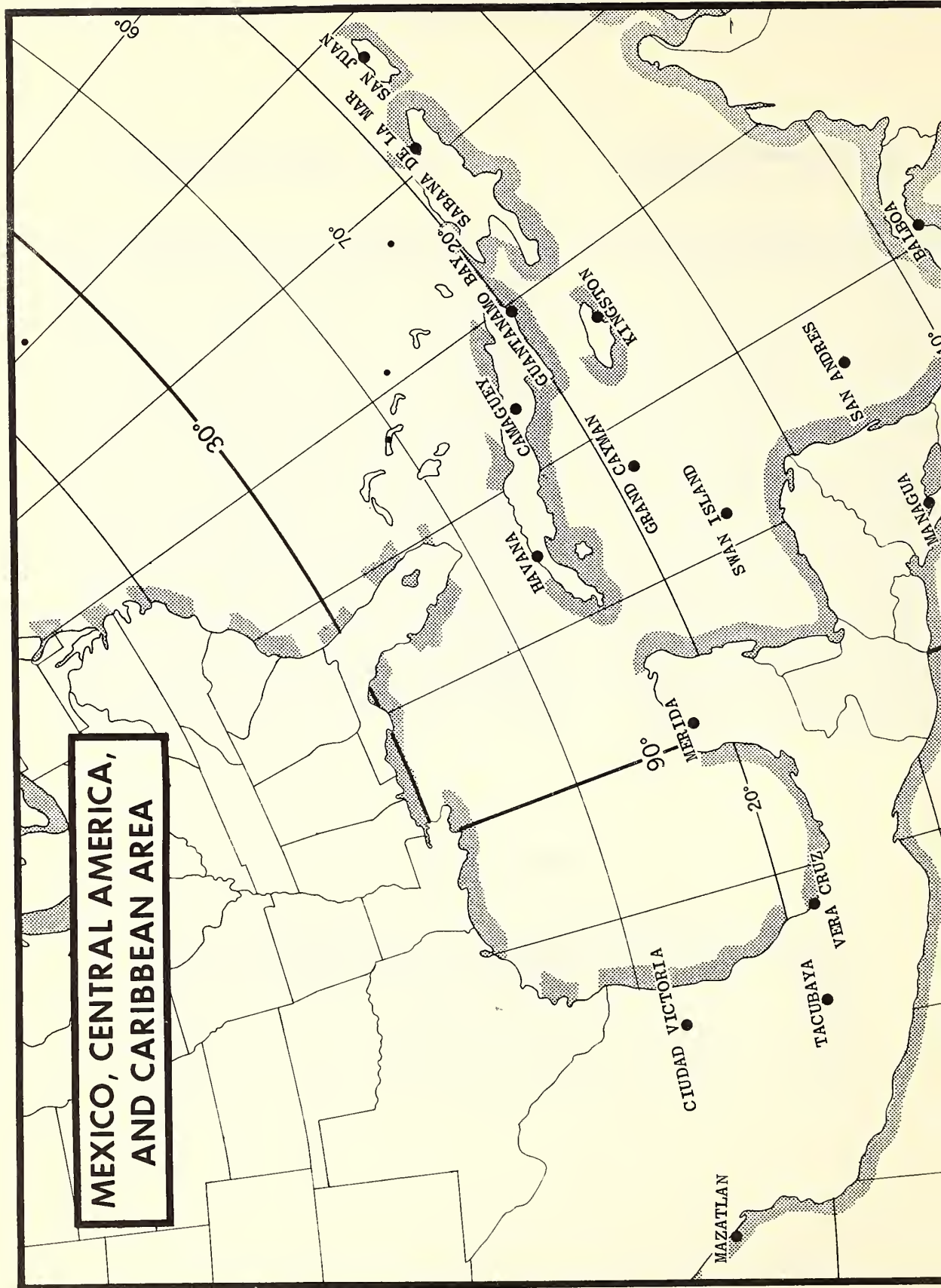
YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN					18 0	2 0	0 0	0 0	24 0	0 0	0 0	0 0	3 0	0 0	0 0	0 0
1947	RAOB RAWIN																
1948	RAOB RAWIN									2 0	0 0	0 0	0 0	9 1	2 0	1 0	0 0
1949	RAOB RAWIN	1 0	0 0	0 0	0 0	18 5	5 5	5 0	40 31	16 11	7 5	0 0	0 0	11 10	0 0	0 0	0 0
1950	RAOB RAWIN	4 1	0 0	0 0	0 0	72 21	24 4	5 0	61 57	17 12	3 2	0 0	0 0	77 57	36 25	14 10	0 0
1951	RAOB RAWIN	117 25	74 17	28 5	0 0	122 109	80 70	49 28	0 149	158 96	104 40	51 0	0 0	96 72	72 48	58 34	3 1
1952	RAOB RAWIN	151 46	120 33	93 21	1 84	146 55	114 28	72 0	2 91	133 72	103 23	44 0	0 0	138 85	101 52	54 25	1 0
1953	RAOB RAWIN	106 42	64 15	27 2	0 0	138 115	100 81	51 32	0 0	150 117	116 83	53 35	0 0	153 97	121 56	76 24	1 0
1954	RAOB RAWIN	153 55	127 16	88 5	0 0	160 126	139 82	96 41	0 0	159 141	136 112	74 47	0 0	170 161	136 129	84 66	0 0
1955	RAOB RAWIN	164 127	112 85	80 52	0 0	163 132	134 59	66 0	0 164	162 147	144 66	72 0	0 0	149 136	125 166	79 51	0 0
1956	RAOB RAWIN	155 97	127 82	74 41	1 0	300 299	288 288	271 263	64 34	210 209	203 202	187 187	30 22	151 154	126 126	66 53	0 0
1957	RAOB RAWIN	152 149	108 104	60 42	0 0	174 164	164 147	76 15	0 0	174 166	166 132	135 12	0 0	181 180	174 174	143 139	28 15
1958	RAOB RAWIN	195 194	186 186	170 165	41 27	359 358	349 349	328 319	150 139	272 271	264 261	244 239	61 52	184 182	183 180	175 169	26 21
1959	RAOB RAWIN	175 174	168 170	163 162	13 10	180 180	179 179	172 169	12 8	178 177	152 154	97 91	13 11	181 180	166 167	127 116	28 16
1960	RAOB RAWIN	178 176	168 165	140 126	36 23	182 180	176 173	159 147	39 20	180 179	173 154	159 29	41 174	173 174	159 158	153 146	30 10

REMARKS: Raob summaries available - Jun., Oct., and Dec. 1946.
032 - Sept. 1946, Sept. and Dec. 1948, Jan. and Apr. thru Jun. 1949.
152 - Nov. 1949 thru Mar. 1950. First GMDIA - Apr. 4, 1956.

REMARKS: WMAN 33's missing - May 1948.

STATION LOCATION

STATION NAME	STA. NO. (WMAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Wake Island	41605	19° 18'N	166° 37'E	3	N	5-1-46	2-14-46				
Wake Island	41602	19° 18'N	166° 37'E	3	AF	5-1-48	5-18-48				
Wake Island	41606	19° 18'N	166° 37'E	6	WB	9-12-48	10-31-48				
Wake Island	41606	19° 18'N	166° 37'E	9	WB	11-1-48	4-14-51				
Wake Island	41606	19° 17'N	166° 39'E	9	WB	4-15-51	4-19-52	2 ESE			
Wake Island	41606	19° 17'N	166° 39'E	5	WB	4-20-52	11-9-53				
Wake Island	41606	19° 17'N	166° 39'E	12	WB	11-10-53	- - -				



List of Abbreviations and Codes Used in this Section

Equipment - Principal type of equipment used in radiosonde or rawinsonde observations during the month.

- R Radiosonde equipment only. Original radiosonde observation form (WBAN 31A, B, and C) available with or without wind data. Wind data, if reported, are observed by theodolite and are defined as rabal. In some cases the "R" denotes wind data available, but type of equipment is unknown.
- S Radio Direction Finding equipment (manual tracking such as the SCR-658).
- G Radio Direction Finding equipment (automatic tracking) such as GMD-1 and 2 and the later modified models of each. Also, printed computer data raobs where noted in footnotes.

Observations - Number of regularly scheduled observations per day.

- M Wind data and equipment known and available, but hours of radiosonde observation unknown and raob forms not available.
- # Less than ten observations for the month.

Period of Record - Indicates "from the beginning" or "to the end" (whichever applies) of the period of record covered by this documentation.

Service - Official meteorological service that operated a station.

- A U. S. Army
- AF U. S. Air Force
- N U. S. Navy
- WB U. S. Weather Bureau
- C Meteorological Service of Canada

CAMAGUEY, CUBA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.				R	R	R	R	R	R	R	R	R
1949	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1950	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1951	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1952	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1953	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1954	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1955	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1956	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1957	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1958	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1959	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S
1960	EQUIP. OBS.	S	S	S	S	S	S	S	S	S	S	S	S

REMARKS: Radiosonde Obs. discontinued Apr. 11, 1962 (lack of helium).
03Z - Apr. 1948 thru May 1956. 00Z - Mar. 1959. 12Z - Oct. 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN					4	0	0	0	8	0	0	0	7	0	0	0
1949	RAOB RAWIN	31	0	0	0	36	2	0	0	48	0	0	0	45	0	0	0
1950	RAOB RAWIN	68	35	0	0	40	3	1	0	11	1	0	0	49	24	4	0
1951	RAOB RAWIN	66	28	10	0	54	34	13	0	58	21	3	0	43	13	4	0
1952	RAOB RAWIN	8	1	0	0	13	5	4	0	20	10	9	2	17	10	8	0
1953	RAOB RAWIN	40	25	17	0	64	34	19	0	70	52	27	0	67	42	16	0
1954	RAOB RAWIN	27	15	6	0	69	37	16	0	48	34	15	0	45	31	18	0
1955	RAOB RAWIN	59	35	27	0	6	0	0	0	27	15	9	0	39	21	8	0
1956	RAOB RAWIN	45	24	7	0	59	31	13	0	40	20	10	0	35	17	3	0
1957	RAOB RAWIN	28	9	1	0	51	13	5	0	79	47	20	0	93	80	64	1
1958	RAOB RAWIN	14	4	0	0	31	7	2	0	62	33	11	0	66	43	29	0
1959	RAOB RAWIN	43	25	20	0	79	57	38	3	70	49	36	4	81	47	30	1
1960	RAOB RAWIN	24	9	5	2	73	42	31	6	121	100	55	4	10	8	4	0

STATION LOCATION

STATION NAME	STA. NO. (WEAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Camaguey, Cuba	12711	21° 25'N	77° 52'W	126	WB	4-14-48	10-31-60				

GUANTANAMO BAY, CUBA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2										
1947	EQUIP. OBS.												
1948	EQUIP. OBS.								R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2		R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1955	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	0	0	0	0												
1947	RAOB RAWIN																
1948	RAOB RAWIN									0	0	0	0	0	0	0	0
1949	RAOB RAWIN	0	0	0	0	1	0	0	0	5	0	0	0	0	0	0	0
1950	RAOB RAWIN	2	0	0	0	1	0	0	0	17	7	2	1	18	6	4	1
1951	RAOB RAWIN	24	9	6	0	20	4	1	0	70	38	22	1	39	21	11	0
1952	RAOB RAWIN	38	22	16	0	53	31	15	0	57	21	6	0	76	42	30	1
1953	RAOB RAWIN	90	49	28	0	91	49	33	0	102	66	40	0	79	45	22	0
1954	RAOB RAWIN	69	38	23	2	85	60	39	0	123	94	63	0	81	66	40	0
1955	RAOB RAWIN	134	86	74	0	92	63	46	0	108	81	49	0	158	117	54	0
1956	RAOB RAWIN	141	97	44	0	150	128	89	0	155	140	97	0	102	72	57	0
1957	RAOB RAWIN	116	94	46	0	88	61	22	0	120	101	88	3	46	36	35	5
1958	RAOB RAWIN	114	93	33	0	82	53	16	0	115	100	86	1	43	35	34	2
1959	RAOB RAWIN	69	58	56	7	71	49	40	1	55	38	33	0	90	76	66	0
1960	RAOB RAWIN	111	92	80	69	130	105	83	3	134	119	102	22	172	165	157	68
		177	174	165	53	158	147	136	46	84	64	52	10	128	103	96	68
		175	173	160	26	156	145	127	27	76	55	42	6	70	50	46	24

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Guantanamo Bay, Cuba	11706	19° 54'N	75° 09'W	30	R	- - -	- - -				

HAVANA, CUBA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1955	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1956	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1957	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1958	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1959	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1960	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2

REMARKS: Radiosondes discontinued Apr. 25, 1962 (lack of helium).
00Z - Mar. 1958. 12Z - Nov. 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	39	4	0	0	39	0	0	0	22	0	0	0	14	0	0	0
1947	RAOB RAWIN	10	0	0	0	1	0	0	0	1	0	0	0	14	1	0	0
1948	RAOB RAWIN	18	0	0	0	51	6	2	0	86	50	10	0	68	44	20	0
1949	RAOB RAWIN	108	45	31	0	96	13	3	0	78	0	0	0	82	0	0	0
1950	RAOB RAWIN	139	29	0	0	85	22	3	0	108	44	5	0	138	83	35	0
1951	RAOB RAWIN	118	57	23	1	115	41	10	0	165	120	38	1	144	111	56	1
1952	RAOB RAWIN	154	106	83	2	99	67	40	0	129	111	63	0	156	103	61	0
1953	RAOB RAWIN	151	119	74	1	16	14	4	0	133	107	69	0	165	114	53	0
1954	RAOB RAWIN	82	49	29	1	135	99	44	0	132	108	62	0	134	107	44	0
1955	RAOB RAWIN	172	127	68	0	87	47	15	0	41	31	18	0	137	108	62	0
1956	RAOB RAWIN	115	83	45	0	71	55	26	0	93	70	27	0	73	41	14	0
1957	RAOB RAWIN	67	41	17	0	49	21	5	0	33	25	22	0	21	13	7	0
1958	RAOB RAWIN	21	14	12	0	54	52	44	0	160	142	105	5	112	89	70	1
1959	RAOB RAWIN	138	119	92	1	135	97	80	2	99	75	65	16	113	76	57	4
1960	RAOB RAWIN	138	111	86	21	135	115	103	43	144	132	109	5	34	28	23	2

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Havana, Cuba	12864	23° 09'N	82° 21'W	64	WB	- - -	11-1-60				

SABANA DE LA MAR, DOMINICAN REPUBLIC

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.									1	2	2	2
1957	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1958	EQUIP. OBS.	2	2	1	1	2	2	2	2	2	2	2	2
1959	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1960	EQUIP. OBS.	2	2	2	2	1	2	2	2	2	2	2	2

REMARKS: 152 - Sept. 1956. 002 - Mar. and Apr. 1958, and May 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN									8	6	0	0	117	68	33	0
1957	RAOB RAWIN	129	75	32	0	136	87	46	0	173	162	142	17	180	139	113	16
1958	RAOB RAWIN	85	49	28	0	72	49	39	3	179	163	150	35	180	148	115	30
1959	RAOB RAWIN	172	143	112	5	141	111	91	3	137	107	82	2	145	108	82	5
1960	RAOB RAWIN	152	100	93	25	95	70	61	3	181	167	144	12	178	156	149	5
		155	104	92	19	101	70	58	1	180	168	140	10	174	155	138	2

STATION LOCATION

STATION NAME	STA. NO. (WGAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Sabana De La Mar, Dom. Rep.	11646	19° 03'N	69° 23'W	18	WB	9-19-56	- - -				

KINGSTON, JAMAICA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	S 2											
1947	EQUIP. OBS.				S 1	S 2	S 2	S 2	S 2	S 2	S 2	S 2	
1948	EQUIP. OBS.				S 2	S 2	S 2	S 2	S 2	S 2	S 4	S 4	
1949	EQUIP. OBS.	S 3	S 2	S 4	S 4	S 4	S 4	S 4	S 4	S 4			
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.								S 1	S 1	S 1	S 1	
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 1	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 1	S 1	S 1	S 1	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 1	S 2	S 2	S 2	S 1	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 1	S 1	S 1	S 2	S 2	S 2	S 2	S 2	S 2	S 2

REMARKS: 042 - May 1947. 092, 152, and 122 - Feb. 1949. 152 - Sept. thru Dec. 1956. 002 - Jun. 1957, Feb. thru Apr. 1958, Feb. and Jun. 1959, and Mar. thru May 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	1 0	0 0	0 0	0 0												
1947	RAOB RAWIN					0 0	0 0	0 0	0 0								
1948	RAOB RAWIN					7 0	0 0	0 0	0 0	5 0	0 0	0 0	0 0	5 0	0 0	0 0	0 0
1949	RAOB RAWIN	2 2	0 0	0 0	0 0	26 25	0 0	0 0	0 0	15 15	0 0	0 0	0 0				
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN									12 12	8 7	3 2	0 0	62 62	50 49	22 15	0 0
1957	RAOB RAWIN	134 128	99 96	48 34	0 0	103 103	75 78	23 17	0 0	167 165	155 154	144 140	5 4	166 164	150 148	112 102	8 4
1958	RAOB RAWIN	92 80	82 72	59 43	0 0	103 104	88 89	56 48	0 0	181 182	171 172	149 140	0 0	164 166	135 137	125 121	11 6
1959	RAOB RAWIN	142 141	113 113	101 99	8 2	120 121	113 113	93 91	10 5	163 163	148 152	126 120	4 4	145 146	109 115	72 62	0 0
1960	RAOB RAWIN	101 105	80 85	60 60	25 20	89 93	77 76	65 62	3 1	178 179	166 171	147 144	15 10	125 128	101 100	95 89	20 10

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Kingston, Jamaica (Vernam Fld.)	11704	17° 53'N	77° 18'W	34	AF	- - -	9-16-49				
Kingston, Jamaica	11715	17° 56'N	76° 47'W	7	WB	9-3-56	- - -	34 ENE			

SAN JUAN, PUERTO RICO

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1947	EQUIP. OBS.	2	2	2	2	2	2	2	2	4	2	2	2
1948	EQUIP. OBS.	3	2	2	2	2	2	2	4	3	2	2	2
1949	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1950	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1951	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1952	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1953	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1954	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1955	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1956	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1957	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1958	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1959	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2
1960	EQUIP. OBS.	2	2	2	2	2	2	2	2	2	2	2	2

REMARKS: 04Z, 12Z, and 16Z - Jan. 1948. 03Z, 15Z, and 21Z - Sept. 1948.
12Z - Jul. 1958.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	40	0	0	0	31	0	0	0	30	0	0	0	31	2	0	0
		10	0	0	0	26	0	0	0	29	0	0	0	26	0	0	0
1947	RAOB RAWIN	42	0	0	0	40	2	1	0	14	0	0	0	25	8	3	0
		34	0	0	0	35	2	1	0	13	0	0	0	20	7	3	0
1948	RAOB RAWIN	49	21	5	0	102	19	4	3	112	29	8	0	96	56	24	0
		42	12	1	0	101	16	3	2	109	26	6	0	83	42	18	0
1949	RAOB RAWIN	76	5	0	0	72	2	1	0	100	3	0	0	105	3	0	0
		55	2	0	0	64	1	1	0	94	2	0	0	85	1	0	0
1950	RAOB RAWIN	109	13	0	0	93	6	0	0	88	13	2	0	109	24	4	0
		96	13	0	0	91	6	0	0	85	11	2	0	104	19	3	0
1951	RAOB RAWIN	120	66	25	0	117	61	23	1	156	106	65	1	165	120	62	3
		91	35	7	0	88	42	11	0	154	104	64	1	152	101	53	1
1952	RAOB RAWIN	168	139	120	14	156	119	61	2	172	141	58	1	165	131	100	1
		143	115	98	12	146	104	39	0	165	121	53	0	147	109	64	0
1953	RAOB RAWIN	170	128	85	0	157	117	54	1	168	129	56	1	175	150	119	2
		164	118	71	0	148	107	40	0	159	123	41	0	165	142	106	0
1954	RAOB RAWIN	174	147	113	1	159	133	82	0	165	137	100	1	174	141	101	0
		159	130	84	0	141	115	70	0	158	131	91	0	170	136	89	0
1955	RAOB RAWIN	175	143	119	0	155	125	64	0	165	138	67	0	132	97	58	0
		165	139	112	0	125	101	43	0	171	138	59	0	151	111	35	0
1956	RAOB RAWIN	164	136	56	0	136	104	39	0	152	121	43	1	129	102	45	1
		134	107	27	0	132	96	26	0	147	117	37	0	131	100	38	0
1957	RAOB RAWIN	153	128	49	1	128	97	28	0	160	143	125	35	172	155	120	47
		148	126	34	0	121	86	28	0	163	145	119	23	156	139	100	28
1958	RAOB RAWIN	167	157	125	34	137	115	87	9	148	137	126	26	169	157	143	23
		150	131	92	6	135	111	78	6	146	138	122	15	165	148	133	9
1959	RAOB RAWIN	166	159	148	18	167	150	139	6	179	166	148	6	163	122	110	3
		165	153	139	3	164	141	126	0	176	160	138	3	156	115	90	0
1960	RAOB RAWIN	167	139	114	20	166	150	134	24	155	133	119	13	159	137	124	32
		161	130	97	13	149	147	119	13	152	129	113	7	157	132	113	8

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
San Juan, Puerto Rico	11631	18° 27'N	66° 06'W	6	WB	- - -	11-8-49				
San Juan, Puerto Rico	11631	18° 28'N	66° 07'W	6	WB	11-9-49	1-31-50	1 NW			
San Juan, Puerto Rico	11636	18° 27'N	66° 06'W	19	WB	2-1-50	5-23-55	1 SE			
San Juan, Puerto Rico	11641	18° 26'N	66° 00'W	19	WB	5-24-55	6-30-55	7 ESE			
San Juan, Puerto Rico	11641	18° 26'N	66° 00'W	23	WB	7-1-55	3-31-56				
San Juan, Puerto Rico	11641	18° 26'N	66° 00'W	6	WB	4-1-56	- - -				

GRAND CAYMAN, WEST INDIES

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.								S 1	S 1	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 1	S 1	S 1	S 1	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

REMARKS: 15Z - Aug. and Sept. 1956. 00Z - Feb. thru May 1958.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN									24 24	14 13	2 2	0 0	91 91	62 62	30 30	0 0
1957	RAOB RAWIN	69 61	50 45	28 23	0 0	111 108	94 92	62 60	0 0	161 164	139 146	93 86	7 2	137 132	115 109	96 86	15 7
1958	RAOB RAWIN	89 60	78 35	63 18	3 1	92 86	86 78	70 59	7 3	159 159	147 147	129 128	17 12	163 167	153 155	145 143	22 13
1959	RAOB RAWIN	165 165	146 147	134 133	18 5	138 138	109 111	88 82	5 3	138 137	121 117	97 88	2 0	132 129	100 101	80 78	34 24
1960	RAOB RAWIN	156 141	125 117	109 100	52 33	175 173	162 160	146 142	22 7	184 185	174 174	152 144	11 6	173 169	144 141	120 110	0 0

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Grand Cayman, W. I. (Roberts Fld.)	11813	19° 18' N	81° 22' W	3	WB	8-14-56	- - -				

SWAN ISLAND, WEST INDIES

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1948	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1949	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1950	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1951	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1952	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1953	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1954	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2
1955	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1956	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

REMARKS: First Raob plus SCR 658 - Oct. 1, 1954 and QNDIA - Nov. 23, 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	58	4	1	0	52	0	0	0	56	2	0	0	54	1	0	0
1947	RAOB RAWIN	26	0	0	0	20	0	0	0	18	0	0	0	26	0	0	0
1948	RAOB RAWIN	36	0	0	0	55 5	9 5	4 1	0 0	76	39	5	0	134 7	80 6	35 0	0 0
1949	RAOB RAWIN	70	16	6	0	128	80	35	0	128	67	34	0	80 3	19 0	7 0	0 0
1950	RAOB RAWIN	116	36	3	0	147 12	86 5	28 3	0 0	114 18	44 3	9 0	0	133 10	85 2	38 0	0 0
1951	RAOB RAWIN	141	101	62	1	156 9	121 1	70 0	0 5	148 1	105 0	61 0	0	136 1	97 1	79 7	0 0
1952	RAOB RAWIN	152	3	104 0	0 0	100 0	55 3	36 1	0 0	102 1	75 7	75 4	3 0	145 16	110 15	94 12	9 0
1953	RAOB RAWIN	168 26	129 22	111 16	3 3	140 14	97 9	76 8	2 0	151 19	108 13	75 0	1	114 14	75 6	63 1	0 0
1954	RAOB RAWIN	112 1	95 1	81 1	1 0	101 1	80 0	62 0	0 0	97 6	73 4	42 0	0	117 87	77 56	46 28	0 0
1955	RAOB RAWIN	128 119	71 61	44 39	0 0	135 111	93 46	23 7	0 0	83 31	55 13	15 2	0				
1956	RAOB RAWIN					19 20	10 10	3 1	0 0	84 53	32 42	2 19	2	105 103	64 24	19 0	0 0
1957	RAOB RAWIN	103 101	68 70	23 8	0 0	132 9	81 84	30 5	0 0	155 163	133 106	115 106	85 43	120 110	100 81	87 63	34 20
1958	RAOB RAWIN	60 41	49 30	37 21	14 2	133 127	105 101	83 10	142 10	142 129	131 118	115 8	8	128 127	99 78	89 0	2 0
1959	RAOB RAWIN	152 143	128 123	114 100	3 3	140 133	115 123	114 100	11 1	167 165	148 143	126 115	9	133 127	100 92	84 78	15 1
1960	RAOB RAWIN	123 115	101 96	92 82	30 16	107 86	79 141	70 88	10 71	145 154	133 127	127 112	8	21 164	167 155	139 135	35 15

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Swan Island, W. I.	11807	17° 24'N	83° 56'W	10	WB	---	---				

SAN ANDRES, COLOMBIA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.											S 1	S 1
1957	EQUIP. OBS.	S 2	S 2	S 1	S 1	S 1	S 1	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 1	S 1	S 1	S 1	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN													17 17	12 12	5 4	0 0
1957	RAOB RAWIN	79 76	59 59	41 39	1 1	34 32	20 18	7 6	0 0	27 26	15 15	8 8	0 0	25 25	13 13	9 9	0 0
1958	RAOB RAWIN	12 12	7 7	5 5	0 0	24 20	12 12	6 4	0 0	70 66	35 35	19 19	2 0	92 87	68 68	62 61	12 3
1959	RAOB RAWIN	78 73	58 58	53 53	11 5	63 59	44 45	37 37	4 1	112 111	93 93	85 84	15 11	129 125	104 103	87 81	11 4
1960	RAOB RAWIN	149 145	121 121	105 102	21 16	131 128	116 115	104 102	18 14	152 152	130 130	111 109	18 16	137 134	90 90	70 70	12 10

REMARKS: Original Records, 31's and 20's, on Microfilm only.
15Z - Nov. and Dec. 1956, Mar. thru May 1957. 12Z - Jun. 1957.
00Z - Feb. thru May 1958.

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
San Andres, Colombia	11814	12° 35'N	81° 42'W	2	WB	11-22-56	- - -				

MANAGUA, NICARAGUA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.			S 1	S 2	S 3	S 3	S 2	S 2	S 2	S 2	S 2	S 1
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 4	S 4	S 4
1949	EQUIP. OBS.	S 4	S 4	S 4	S 1	S 4	S 4	S 4	S 4	S 4	S 2		
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.												
1958	EQUIP. OBS.												
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 04Z - Mar. and Dec. 1947. 04Z, 10Z, and 16Z - May and June 1947. 21Z - Apr. 1949.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN	0 0	0 0	0 0	0 0	22 20	0 0	0 0	0 0	2 1	0 0	0 0	0 0	10 7	0 0	0 0	0 0
1948	RAOB RAWIN	8 6	0 0	0 0	0 0	7 5	0 0	0 0	0 0	17 12	0 0	0 0	0 0	20 11	0 0	0 0	0 0
1949	RAOB RAWIN	11 6	0 0	0 0	0 0	10 9	7 6	4 2	0 0	35 34	14 12	6 6	1 1	1 1	0 0	0 0	0 0
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Managua, Las Mercedes, Nicaragua	11801	12° 07'N	86° 10'W	58	AF	- - -	10-20-50				

BALBOA, PANAMA CANAL ZONE

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 1	R 1										
1947	EQUIP. OBS.	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	R 2	S 2
1948	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1949	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1950	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1951	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1952	EQUIP. OBS.	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4	S 4
1953	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1954	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1955	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1956	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3	G 3
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

REMARKS: 042 - Jan. and Feb. 1946. 002, 122, and other irregular times - Dec. 1957 thru Jun. 1958. 002, 122, and 222 - Aug. 1958, Nov. and Dec. 1958, Feb. 1959, Jun. thru Sept. 1959, Nov. 1959 thru Jan. 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	14	0	0	0												
1947	RAOB RAWIN	1	0	0	0	21	0	0	0	6	0	0	0	35	3	0	0
1948	RAOB RAWIN	2	0	0	0	14 11	0	0	0	24 21	0	0	0	7	0	0	0
1949	RAOB RAWIN	3	0	0	0	5 5	0	0	0	17 16	8 7	4 4	1 1	16 11	6 4	5 3	0 0
1950	RAOB RAWIN	2	1	1	1	13 12	2	2	0	17 15	13 11	10 8	0	42 41	33 21	26 15	8 6
1951	RAOB RAWIN	33 29	26 22	17 12	4 3	26 25	15 14	12 12	1 45	48 30	35 19	25 2	3	74 72	63 55	47 42	4 2
1952	RAOB RAWIN	52 48	25 21	20 18	3 3	52 49	37 31	26 18	0	70 67	56 55	39 38	4	66 66	44 44	35 35	3 3
1953	RAOB RAWIN	75 75	59 57	46 44	12 12	96 96	62 62	54 54	3 3	88 88	61 61	44 44	1	139 139	102 102	75 74	5 5
1954	RAOB RAWIN	145 145	98 98	77 77	0 0	106 105	60 60	47 47	0	163 163	117 117	84 84	8	144 144	98 98	85 84	4 4
1955	RAOB RAWIN	135 133	87 86	79 77	5 5	121 121	77 76	66 66	10	141 138	110 110	98 97	9	145 139	93 93	76 74	13 11
1956	RAOB RAWIN	153 146	98 98	88 86	26 24	119 116	72 72	59 59	9	150 146	110 107	89 89	13	136 133	108 106	94 93	25 20
1957	RAOB RAWIN	134 130	109 108	95 94	18 15	166 162	144 144	130 130	23	162 161	154 151	146 145	23	159 154	144 140	136 131	37 27
1958	RAOB RAWIN	171 171	155 155	151 151	51 44	159 158	133 133	126 126	76 69	164 163	134 134	118 118	81	136 133	109 109	104 104	78 73
1959	RAOB RAWIN	175 174	171 169	165 164	99 95	180 178	180 178	180 178	82 70	120 120	118 118	117 117	77	105 104	104 104	104 104	88 83
1960	RAOB RAWIN	155 154	146 145	144 144	92 72	150 145	120 119	117 115	34 17	158 149	130 127	120 115	43	105 96	83 81	78 75	26 21

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		OIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Balboa, C. Z. (Albrook Fld.)	10701	08° 59'N	79° 34'W	66	AF	- - -	- - -				

CIUDAD VICTORIA, MEXICO

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1947	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1948	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1949	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1950	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1951	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1952	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1953	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1954	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1955	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1956	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1957	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1958	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1959	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1960	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R

REMARKS: 032 - Jan. and Feb. 1946. 022 - Mar. 1946 thru Jun. 1947.
Jan. thru Apr. 1950, Jun. 1950 thru Dec. 1951. 0130Z - Jul. 1947,
Sept. 1947 thru Mar. 1948, May thru Oct. 1948, Dec. 1948 thru Nov. 1949.
0130Z and 1330Z - Aug. 1947, Apr. and Nov. 1948, and Dec. 1949. 022 and
14Z - May 1950. 01Z - Jan. 1952.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	21	0	0	0	12	0	0	0	11	0	0	0	5	0	0	0
1947	RAOB RAWIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	RAOB RAWIN	0	0	0	0	0	0	0	0	2	0	0	0	40	7	1	0
1949	RAOB RAWIN	6	1	0	0	7	0	0	0	19	7	0	0	63	6	0	0
1950	RAOB RAWIN	41	2	0	0	40	7	0	0	29	15	0	0	33	15	5	0
1951	RAOB RAWIN	33	8	0	0	39	15	8	0	37	14	6	0	23	5	1	0
1952	RAOB RAWIN	7	5	2	1												
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN																
1958	RAOB RAWIN																
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Ciudad Victoria, Tama, Mex.	12948	23° 44'N	99° 07'W	335	WB	- - -	1-15-52				

MAZATLAN, MEXICO

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	OEC
1946	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1947	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1948	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1949	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1950	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1951	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1952	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1953	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1954	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1955	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1956	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1957	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1958	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1959	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1960	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R

REMARKS: 02Z - Jan. 1946 thru Nov. 1951. 03Z - Jan. 1952 thru May 1957.
00Z - Jun. and Sept. 1957 thru Dec. 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	RAOB RAWIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	RAOB RAWIN	2	0	0	0	2	0	0	0	1	0	0	0	23	0	0	0
1949	RAOB RAWIN	37	3	0	0	42	11	1	0	35	7	0	0	61	10	0	0
1950	RAOB RAWIN	23	1	0	0	35	12	0	0	26	5	0	0	43	20	6	0
1951	RAOB RAWIN	22	5	2	0	26	7	2	0	9	4	1	0	23	8	2	0
1952	RAOB RAWIN	1	1	0	0	10	5	4	0	15	9	7	1	26	18	12	0
1953	RAOB RAWIN	38	15	14	0	0	0	0	0	0	0	0	0	13	3	2	0
1954	RAOB RAWIN	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	RAOB RAWIN	2	0	0	0	14	7	4	0	3	0	0	0	1	0	0	0
1956	RAOB RAWIN	6	3	3	0	3	3	2	0	4	2	1	0	2	2	2	0
1957	RAOB RAWIN	20	12	8	0	11	9	5	0	59	51	43	0	26	17	16	0
1958	RAOB RAWIN	70	43	36	0	69	66	59	0	75	67	62	4	20	16	13	5
1959	RAOB RAWIN	15	12	9	2	8	3	1	0	11	3	0	0	47	36	29	3
1960	RAOB RAWIN	68	57	53	39	89	88	85	52	74	71	69	31	78	73	71	29

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		OIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Mazatlan, Sin. Mex.	22009	23° 11'N	106° 25'W	14	WB	- - -	- - -				

MERIDA, MEXICO

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1
1947	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 1	R 1	R 2	R 2	R 1	R 1	R 1	R 1
1948	EQUIP. OBS.	R 1	R 1	R 1	R 2	R 1	R 1	R 1	R 1	R 2	R 2	R 1	R 1
1949	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 2	R 1	R 1	R 2	R 2	R 1	R 2	R 2
1950	EQUIP. OBS.	R 1	R 1	R 1	R 2	R 1	R 1	R 2	R 2	R 2	R 1	R 1	R 1
1951	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1
1952	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1
1953	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1
1954	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1
1955	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1
1956	EQUIP. OBS.	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 1	R 2	R 2	R 2	R 2
1957	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1958	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1959	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2
1960	EQUIP. OBS.	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 2

REMARKS: 022 - Jan. 1946 thru Mar. 1948. 032 - May thru Sept. 1948, Dec. 1948 thru Sept. 1956.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	3	0	0	0	1	0	0	0	2	0	0	0	5	0	0	0
1947	RAOB RAWIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	RAOB RAWIN	0	0	0	0	6	3	2	0	8	0	0	0	43	7	1	0
1949	RAOB RAWIN	42	0	0	0	37	9	6	0	24	1	0	0	63	2	0	0
1950	RAOB RAWIN	45	0	0	0	37	0	0	0	23	7	3	0	31	8	1	0
1951	RAOB RAWIN	38	9	1	0	30	12	2	0	22	6	2	0	34	14	5	0
1952	RAOB RAWIN	40	15	12	2	28	16	9	0	26	11	4	0	46	25	14	1
1953	RAOB RAWIN	40	16	11	0	30	10	6	0	14	4	2	0	26	8	2	0
1954	RAOB RAWIN	43	19	9	0	21	2	1	0	24	7	3	0	41	21	8	0
1955	RAOB RAWIN	60	23	9	0	47	12	5	0	51	11	6	0	24	9	6	0
1956	RAOB RAWIN	29	14	13	0	16	5	3	0	9	4	1	0	125 82	102 75	87 67	0 0
1957	RAOB RAWIN	150 124	124 120	99 89	1 0	141 123	115 105	91 80	0	128 120	106 106	86 80	5	131 121	101 95	79 70	14 10
1958	RAOB RAWIN	167 74	154 70	125 46	8 2	154 149	121 115	94 81	9 8	155 165	135 135	127 127	16 16	179 180	169 168	163 159	27 10
1959	RAOB RAWIN	176 169	169 162	163 156	51 26	172 173	159 162	143 143	10 6	149 150	143 143	139 138	33 31	147 151	114 114	106 106	41 29
1960	RAOB RAWIN	158 134	112 107	112 107	49 39	173 169	160 157	152 147	75 52	172 172	161 161	144 139	16 13	155 154	131 130	117 110	17 7

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Merida, Yuc., Mex.	12866	20° 56'N	89° 31'W	27	WB	- - -	10-6-56				
Merida, Yuc., Mex. (Int'l. AP)	12878	20° 55'N	89° 40'W	11	WB	10-7-56	- - -	10 WSW			

TACUBAYA, MEXICO

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1947	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1948	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1949	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1950	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1951	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1952	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1953	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1954	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1955	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1956	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1957	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1958	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1959	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1960	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R

REMARKS: 032 - Jan. 1946 thru Jan. 1947, Oct. 1947, Jan. and Feb. 1948, Aug. thru Oct. 1948, Dec. 1948 thru May 1949, Jul. thru Nov. 1949, Jan. 1950 thru May 1957. 002 - Jun. and Sept. 1957 thru Dec. 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN	1	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
1947	RAOB RAWIN	6	0	0	0	23	1	0	0	35	2	0	0	1	0	0	0
1948	RAOB RAWIN	3	0	0	0	14	3	1	0	11	2	2	0	25	6	1	0
1949	RAOB RAWIN	25	1	1	0	24	0	0	0	13	0	0	0	54	4	0	0
1950	RAOB RAWIN	22	3	0	0	18	1	0	0	27	3	0	0	19	2	0	0
1951	RAOB RAWIN	12	3	0	0	7	1	0	0	12	0	0	0	16	6	2	0
1952	RAOB RAWIN	4	1	1	1	5	0	0	0	11	3	2	0	23	14	10	1
1953	RAOB RAWIN	27	8	7	0	41	14	10	2	13	3	1	0	4	1	1	0
1954	RAOB RAWIN	2	0	0	0	13	4	2	0	14	4	3	0	10	7	6	0
1955	RAOB RAWIN	9	4	2	0	9	4	4	0	0	0	0	0	10	4	3	0
1956	RAOB RAWIN	5	0	0	0	14	7	4	0	23	7	6	0	21	16	13	2
1957	RAOB RAWIN	4	4	2	1	3	3	1	0	15	3	1	0	23	10	8	0
1958	RAOB RAWIN	26	11	11	0	27	6	4	0	28	12	6	0	9	4	3	1
1959	RAOB RAWIN	3	0	0	0	33	23	17	4	66	49	35	13	57	35	31	18
1960	RAOB RAWIN	31	12	11	8	39	24	16	6	39	24	12	4	39	14	11	2

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Tacubaya, O. F., Mex.	11903	19° 24'N	99° 12'W	2306	WB	- - -	- - -				

VERA CRUZ, MEXICO

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.	R	R	R	R	R			R	R	R	R	R
1953	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1954	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1955	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1956	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1957	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1958	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1959	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R
1960	EQUIP. OBS.	R	R	R	R	R	R	R	R	R	R	R	R

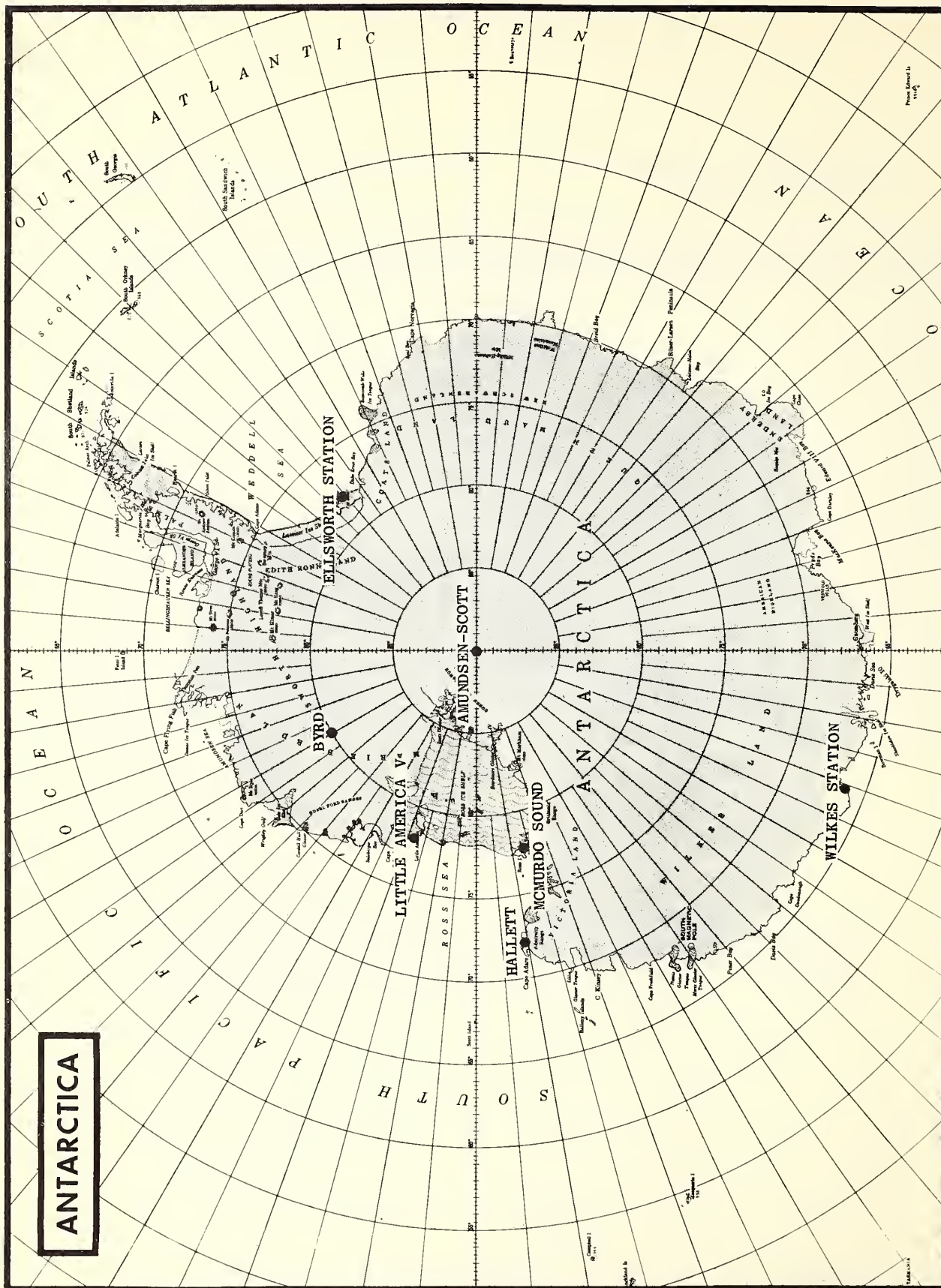
REMARKS: Radiosondes began May 20, 1962. 03Z - Feb. 1952 thru May 1957.
00Z - Jun. and Sept. 1957 thru Dec. 1960.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN	15	8	7	3	27	9	7	1	14	6	3	1	20	6	2	0
1953	RAOB RAWIN	35	8	2	0	28	10	5	0	21	4	2	0	14	3	2	0
1954	RAOB RAWIN	13	1	1	0	11	2	0	0	31	14	7	0	28	11	5	0
1955	RAOB RAWIN	49	20	7	0	8	3	1	0	17	4	0	0	21	7	1	0
1956	RAOB RAWIN	25	10	8	0	13	5	2	0	6	0	0	0	25	8	8	0
1957	RAOB RAWIN	30	16	16	0	39	20	9	1	45	19	13	1	17	7	7	0
1958	RAOB RAWIN	15	8	7	0	30	16	12	0	21	18	16	0	16	10	7	0
1959	RAOB RAWIN	5	3	2	0	28	21	21	8	56	50	46	35	34	27	26	19
1960	RAOB RAWIN	33	20	16	14	38	33	29	14	27	14	12	4	5	2	1	0

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEV- ATION meters	SER- VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Vera Cruz, Mex.	11904	19° 11'N	96° 07'W	13	WB	2-9-52	- - -				



List of Abbreviations and Codes Used in this Section

Equipment - Principal type of equipment used in radiosonde or rawinsonde observations during the month.

- G Radio Direction Finding equipment (automatic tracking) such as GMD-1 and 2 and the later modified models of each. Also, printed computer data raobs where noted in footnotes.

Observations - Number of regularly scheduled observations per day.

- M Wind data and equipment known and available, but hours of radiosonde observation unknown and raob forms not available.

- # Less than ten observations for the month.

Period of Record - Indicates "from the beginning" or "to the end" (whichever applies) of the period of record covered by this documentation.

Service - Official meteorological service that operated a station.

- A U. S. Army
- AF U. S. Air Force
- N U. S. Navy
- WB U. S. Weather Bureau
- C Meteorological Service of Canada

AMUNDSEN-SCOTT, ANTARCTICA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.		G 1	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 4
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2											

REMARKS: 03Z - Mar. 1957.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN	3	1	0	0	116	59	23	0	131	43	9	0	153	114	56	2
1958	RAOB RAWIN	120	83	46	5	87	31	8	3	117	31	5	0	117	86	57	27
1959	RAOB RAWIN	170	158	144	40	150	116	73	1	167	120	44	2	169	141	134	37
1960	RAOB RAWIN	58	56	52	15	148	111	68	0	166	110	37	0	146	134	129	15

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Amundsen-Scott, Antarctica	90001	90°S		2800	WB	3-27-57	1-31-60				

BYRD, ANTARCTICA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.			G 1	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.												

REMARKS: 03Z - Mar. 1957.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN	0	0	0	0	106	57	12	0	128	68	27	0	164	135	91	2
		0	0	0	0	105	55	11	0	107	53	18	0	149	124	83	0
1958	RAOB RAWIN	164	148	121	2	149	98	34	0	119	62	20	0	125	110	88	1
		160	138	113	1	145	91	32	0	111	53	15	0	123	108	81	0
1959	RAOB RAWIN	159	152	130	31	168	153	131	12	161	122	70	11	60	58	56	23
		145	137	114	21	141	126	103	6	130	90	48	5	55	50	46	13
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Byrd, Antarctica	68201	80°S	120°W	1515	WB	3-23-57	10-31-59				

ELLSWORTH STATION, ANTARCTICA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.			G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN					80 79	32 28	7 7	0 0	129 127	34 33	4 3	0 0	165 164	140 139	60 53	0 0
1958	RAOB RAWIN	128 116	114 101	76 62	1 0	122 107	81 75	30 26	0 0	99 90	20 19	11 10	0 0	145 133	138 125	109 94	0 0
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Ellsworth Station, Antarctica	57401	77° 44'S	41° 07'W	43	N	3-15-57	12-31-58				

HALLETT, ANTARCTICA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	OEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.	G 1	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 4
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

REMARKS: 03Z - Feb. 1957.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN	29 16	17 6	6 2	0 0	100 70	56 38	20 14	0 0	129 115	64 48	12 9	0 0	159 136	128 107	68 57	0 0
1958	RAOB RAWIN	124 111	100 86	58 51	0 0	108 91	78 58	33 25	0 0	115 80	45 25	11 5	0 0	147 127	105 89	53 47	0 0
1959	RAOB RAWIN	111 103	84 78	55 52	1 0	134 129	98 90	65 61	9 7	116 104	63 50	12 9	1 0	158 143	136 118	110 96	15 4
1960	RAOB RAWIN	155 120	136 106	101 75	9 2	130 87	98 60	53 33	3 1	100 75	63 31	22 9	0 0				

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Adare, Antarctica	87701	72° 17'S	170° 18'E	5	N	2-22-57	7-12-57				
Hallett, Antarctica (MCB)	87701	72° 17'S	170° 18'E	5	N	7-13-57	9-30-60				

LITTLE AMERICA V, ANTARCTICA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.				G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1
1957	EQUIP. OBS.	G 1	G 1	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.												
1960	EQUIP. OBS.												

REMARKS: 03Z - Apr. 1956 thru Feb. 1957.

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN					41 39	13 13	1 1	0 0	13 13	8 8	8 8	0 0	82 81	66 65	41 41	0 0
1957	RAOB RAWIN	96 95	84 81	60 56	0 0	149 145	111 107	54 48	0 0	153 146	102 92	53 41	0 0	154 152	126 122	80 76	1 0
1958	RAOB RAWIN	160 159	151 147	124 116	14 11	124 121	88 85	46 41	0 0	142 137	110 105	64 58	0 0	157 155	131 125	94 89	2 0
1959	RAOB RAWIN																
1960	RAOB RAWIN																

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Little America V, Antarctica	67601	78° 12'S	162° 15'W	51	N	4-10-56	12-31-56				
Little America V, Antarctica	67601	78° 11'S	162° 12'W	43	WB	1-30-57	9-27-57	1 ENE			
Little America V, Antarctica	67601	78° 11'S	162° 10'W	44	WB	9-27-57	12-31-58	0.4 E			

MCMURDO SOUND, ANTARCTICA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.				G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1957	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1958	EQUIP. OBS.			G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1959	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2
1960	EQUIP. OBS.	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2	G 2

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN					44 36	12 11	5 4	0 0	63 59	30 29	19 16	0 0	113 109	63 57	16 14	0 0
1957	RAOB RAWIN	129 127	79 72	27 21	0 0	141 120	94 79	42 33	0 0	164 147	134 113	57 38	1 1	162 154	130 114	68 56	0 0
1958	RAOB RAWIN	39 37	33 31	19 14	0 0	109 97	53 43	9 9	0 0	98 86	38 34	16 15	0 0	152 145	123 116	76 68	1 1
1959	RAOB RAWIN	82 78	62 58	25 21	0 0	102 97	56 42	21 14	1 0	115 102	37 33	11 11	0 0	113 104	79 71	44 29	0 0
1960	RAOB RAWIN	95 91	72 63	38 34	1 1	139 116	103 79	56 41	2 1	132 113	63 48	27 22	2 2	161 154	136 129	87 74	6 3

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SERVICE	PERIOD		OIST. AND OIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
McMurdo Sound, Antarctica	87601	77° 53'S	166° 44'E	24	N	4-15-56	- - -				

WILKES STATION, ANTARCTICA

TYPE OF EQUIPMENT AND NUMBER OF SCHEDULED OBSERVATIONS

YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1946	EQUIP. OBS.												
1947	EQUIP. OBS.												
1948	EQUIP. OBS.												
1949	EQUIP. OBS.												
1950	EQUIP. OBS.												
1951	EQUIP. OBS.												
1952	EQUIP. OBS.												
1953	EQUIP. OBS.												
1954	EQUIP. OBS.												
1955	EQUIP. OBS.												
1956	EQUIP. OBS.												
1957	EQUIP. OBS.		G	G	G	G	G	G	G	G	G	G	G
1958	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1959	EQUIP. OBS.	G	G	G	G	G	G	G	G	G	G	G	G
1960	EQUIP. OBS.	G	G										

QUARTERLY ALTITUDE FREQUENCY DATA

YEAR		JANUARY - MARCH				APRIL - JUNE				JULY - SEPTEMBER				OCTOBER - DECEMBER			
		100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs	100 mbs	50 mbs	30 mbs	10 mbs
1946	RAOB RAWIN																
1947	RAOB RAWIN																
1948	RAOB RAWIN																
1949	RAOB RAWIN																
1950	RAOB RAWIN																
1951	RAOB RAWIN																
1952	RAOB RAWIN																
1953	RAOB RAWIN																
1954	RAOB RAWIN																
1955	RAOB RAWIN																
1956	RAOB RAWIN																
1957	RAOB RAWIN	21	17	10	0	139	116	47	0	115	55	16	0	170	160	141	0
		20	17	10	0	134	110	33	0	106	48	11	0	164	154	125	0
1958	RAOB RAWIN	151	142	128	0	67	64	47	0	128	69	27	0	138	127	85	0
		147	138	122	0	61	58	41	0	120	58	18	0	134	123	68	0
1959	RAOB RAWIN	147	132	102	11	140	125	95	13	156	143	107	8	155	145	136	27
		108	101	78	5	133	121	87	5	145	135	95	5	151	140	123	11
1960	RAOB RAWIN	58	57	54	9												
		58	57	53	5												

STATION LOCATION

STATION NAME	STA. NO. (WBAN)	LATITUDE	LONGITUDE	ELEVATION meters	SER-VICE	PERIOD		DIST. AND DIR. FROM PREV. LOC.	CROSS REFERENCE STATIONS & PERIODS		
						FROM	TO		NAME	FROM	TO
Wilkes Station, Antarctica (MGB)	86101	66° 16'S	110° 34'E	12	N	3-14-57	2- 1-59				
Wilkes Station, Antarctica (MGB)	86101	66° 16'S	110° 34'E	12	WB	2- 1-59	12-31-59				



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